# NEW STREET ROADWAY CONSTRUCTION & PETRONELLI WAY IMPROVEMENTS

**BROCKTON NEW STREET & PETRONELLI WAY** 

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS			
MA	N/A	1	16			
PROJECT FILE NO. PED 18 - NEW STREET						

**TITLE SHEET & INDEX** 

PLAN OF

**NEW STREET & PETRONELLI WAY** 

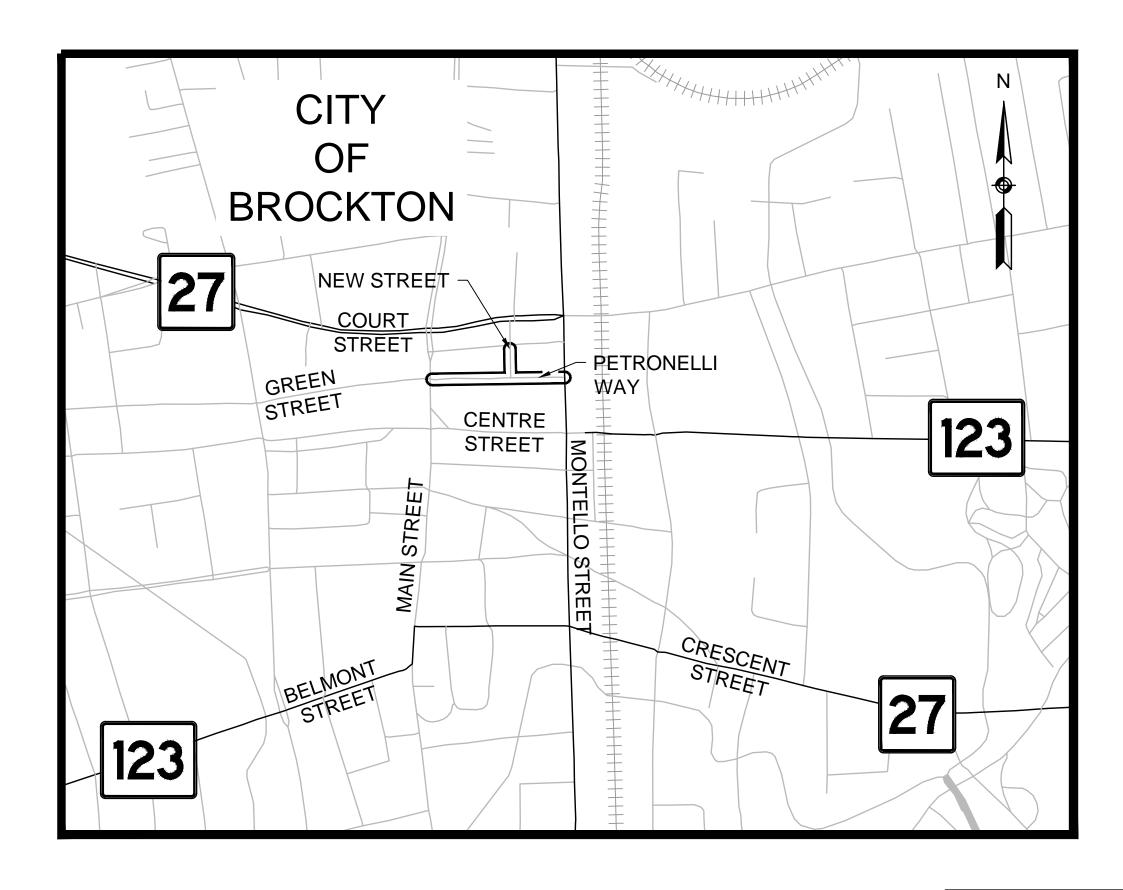
IN THE CITY OF

BROCKTON PLYMOUTH COUNTY

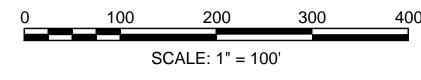
# PROJECT FILE NO. PED 18 - NEW STREET

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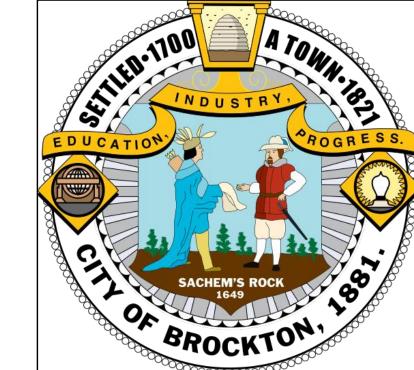


REVISED 06/21/2021



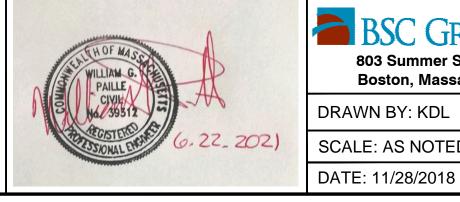
# **LENGTH OF PROJECT**

**NEW STREET** 160.00 FEET = 0.030 MILES PETRONELLI WAY 665.00 FEET = 0.126 MILES



# NEW STREET ROADWAY CONSTRUCTION & PETRONELLI WAY IMPROVEMENTS

# CITY OF BROCKTON BROCKTON, MA



BSC GROUP  803 Summer Street Boston, Massachusetts 02127				
DRAWN BY: KDL	CHECKED BY: PVR			
SCALE: AS NOTED	PROJECT: BROCKTO			

DWG. NO.: DWG\_NO

### **SURVEY & GENERAL NOTES**

# SURVEY NOTES

- 1. TOPOGRAPHY AND DETAIL ARE BASED ON AN ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY BSC GROUP. INC. IN JULY AND AUGUST 0F 2018.
- 2. PROVIDED CONTROL POINTS AND MONUMENTS WERE VERIFIED BY AN ON-THE-GROUND INSTRUMENT SURVEY FOR HORIZONTAL POSITION ONLY.
- 3. COORDINATES ARE IN US SURVEY FEET, REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD '83). ELEVATION ARE IN US SURVEY FEET, REFERENCED TO THE CITY OF BROCKTON BASE.
- 4. NO EASEMENT RESEARCH WAS COMPLETED FOR THIS PROJECT. EASEMENTS SHOWN HERE ON ARE FROM PLANS WHICH WERE FOUND WHILE COMPILING PROPERTY LINES.
- EXISTING GROUND SURFACES SHOWN ON PLANS. PROFILES AND CROSS SECTIONS ARE BASED UPON DATA

OBTAINED BY FIELD SURVEYS.

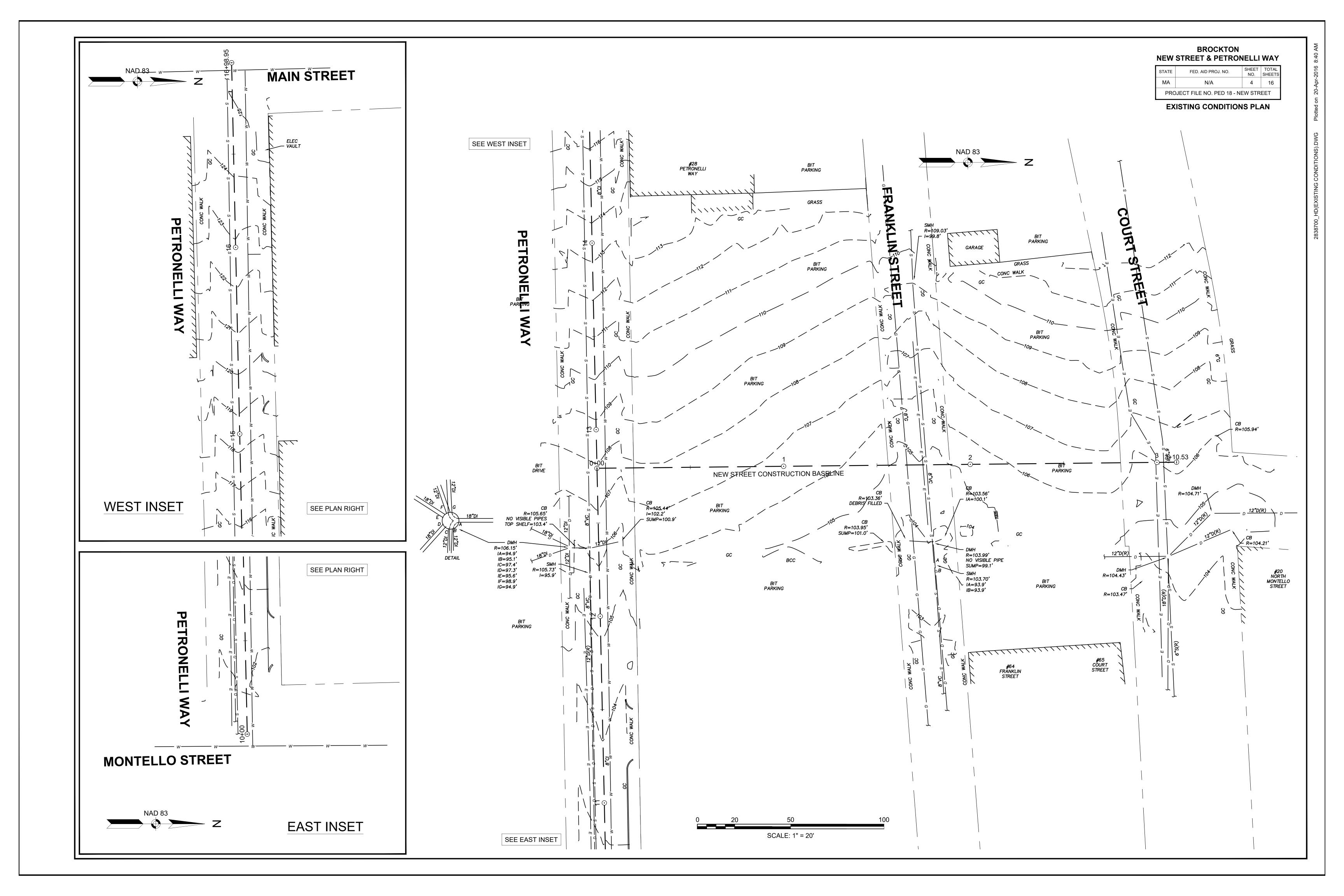
- THE LOCATIONS OF EXISTING SUBSURFACE UTILITIES SHOWN ON THE PLANS WERE COMPILED FROM AVAILABLE RECORD DRAWINGS AND ARE NOT WARRANTIED TO BE CORRECT. THE LOCATIONS ARE APPROXIMATE ONLY AND IN SOME CASES MAY BE INCOMPLETE. THE CONTRACTOR SHALL NOTIFY ALL AGENCIES REQUIRED AND VERIFY THE LOCATIONS OF ALL EXISTING SUBSURFACE UTILITIES PRIOR TO PERFORMING ANY WORK.
- 3. PRIOR TO THE INSTALLATION OF PROPOSED UTILITIES, THE CONTRACTOR SHALL EXCAVATE TEST PITS AT LOCATIONS OF UTILITY CROSSINGS TO VERIFY DEPTHS OF EXISTING PIPES, CONDUITS OR OTHER FACILITIES AS DIRECTED BY THE ENGINEER.
- 4. EXISTING WATER BOXES AND CURB STOPS, FIRE ALARM, SEWER AND SURFACE DRAIN MANHOLE FRAMES AND COVERS, CATCH BASIN FRAMES AND GRATES AND OTHER CASTINGS SHALL BE ADJUSTED TO LINE AND/OR GRADE AS SHOWN ON THE PLANS AND/OR AS REQUIRED BY THE ENGINEER.
- 5. ALL EXISTING BROKEN OR DAMAGED SERVICE BOXES AND GATE BOXES WITHIN THE PROJECT SITE SHALL BE REPLACED WITH NEW STRUCTURES IN ACCORDANCE WITH THE CITY OF BROCKTON WATER DEPARTMENT STANDARDS AND AS REQUIRED BY THE ENGINEER.
- 6. ALL GAS GATES, ELECTRIC MANHOLES AND TELEPHONE MANHOLES WITHIN THE LIMITS OF WORK SHALL BE ADJUSTED BY THE OWNING AGENCY, UNLESS OTHERWISE INDICATED ON THE PLANS. ALL GAS, ELECTRIC, TELEPHONE AND CATV WORK SHALL BE DONE BY THE OWNING AGENCY. THE CONTRACTOR SHALL NOTIFY THE OWNING AGENCIES TO ADJUST AND/OR RELOCATE THESE STRUCTURES TO AVOID IMPACTING THE CONTRACTOR'S SCHEDULE OF OPERATIONS.
- 7. ALL PROPOSED DRAINAGE CONNECTIONS TO EXISTING STRUCTURES WILL BE INCLUDED IN THE COST OF THE NEW PIPE.
- 8. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE UTILITY COMPANIES DOING WORK IN THE SAME AREA. THE CONTRACTOR SHALL ALLOW THE UTILITY COMPANIES AND THEIR REPRESENTATIVES TO ADJUST AND/OR INSTALL THEIR SYSTEMS WITHIN CITY/STATE OWNED STREETS AND EASEMENTS.
- 9. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANIES WHEN THE INSTALLATION OF DRAINAGE LINES AND STRUCTURES ARE IN CLOSE PROXIMITY TO EXISTING UTILITY POLES.
- 10. THE CONTRACTOR SHALL COORDINATE WORK WITH THE OWNERS OF UTILITY POLES AND SHALL BE RESPONSIBLE FOR TRIMMING TREES AS NECESSARY TO ACCOMMODATE NEW UTILITY POLE LOCATIONS.
- 11. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR TEMPORARY SUPPORT WHILE EXCAVATING IN CLOSE PROXIMITY OF UTILITY POLES, IF REQUIRED BY THE UTILITY, AT NO ADDITIONAL COST.
- CURB SHALL BE FURNISHED AND SET AT LOCATIONS SHOWN ON THE PLANS AND/OR AS REQUIRED BY THE ENGINEER.
- 13. CONSTRUCT WALKS AND RAMPS AS SHOWN ON THE PLANS AND/OR AS REQUIRED BY THE ENGINEER.
- 14. EXISTING GRANITE CURB SUITABLE FOR REUSE WITHIN THE PROJECT SITE SHALL BE REMOVED AND RESET IN ACCORDANCE WITH THE PLANS AND/OR AS REQUIRED BY THE ENGINEER. EXISTING CURB CORNERS IN THE PROJECT SHOULD BE REMOVED AND DISCARDED.
- 15. SAW CUT EXISTING BITUMINOUS CONCRETE ROADWAYS, CEMENT CONCRETE SIDEWALKS AND BITUMINOUS CONCRETE DRIVEWAYS AS SHOWN ON THE PLANS AND AT THE PROPOSED MATCH LINE.
- 16. WHERE THE NEW CONSTRUCTION COINCIDES WITH PRESENT TRAVELED WAYS.
- 16.1. THE CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH THE TEMPORARY TRAFFIC CONTROL PLANS AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" FOR WORK ZONES.
- 16.2. THE CONTRACTOR SHALL PERFORM HIS WORK IN A MANNER ACCEPTABLE TO THE ENGINEER SO THAT INTERFERENCE WITH AND INCONVENIENCE TO BUSINESS CONCERNS AND ABUTTERS, ON ACCOUNT OF THE CONSTRUCTION WORK, IS KEPT TO A MINIMUM.
- 16.3. THE CONTRACTOR SHALL NOT BE ALLOWED TO PARK EQUIPMENT OR STOCKPILE EQUIPMENT OR MATERIAL ON THE TRAVELED WAYS OVERNIGHT OR WHEN NOT IN USE.
- 16.4. THE CONTRACTOR SHALL MAINTAIN SAFE AND RESPONSIBLE ACCESS TO AND FROM ABUTTING PROPERTY PRIVATE WAYS, DRIVEWAYS AND ALL ALLEYS AT ALL TIMES DURING THE CONSTRUCTION PERIOD.
- 17. THE CONTRACTOR SHALL DIG TEST PITS AS REQUIRED TO LOCATE EXISTING UTILITIES PRIOR TO TREE/SHRUB PLANTING. ROOT BALLS SHALL BE PLANTED A MINIMUM OF THREE (3) LATERAL FEET AWAY FROM GAS PIPES. CONTRACTOR SHALL REPORT ANY CONFLICTS BETWEEN TREE PITS AND EXISTING UNDERGROUND UTILITIES TO THE ENGINEER AND THE CITY TREE WARDEN FOR RESOLUTION.
- 18. THE CONTRACTOR SHALL DIG TEST PITS TO LOCATE EXISTING UTILITIES PRIOR TO INSTALLING LIGHT POLE FOUNDATIONS. LIGHT POLE FOUNDATIONS SHALL BE INSTALLED A MINIMUM OF THREE (3) LATERAL FEET AWAY FROM GAS PIPES.
- 19. UNLESS OTHERWISE INDICATED ON THE PLANS OR REQUIRED BY THE ENGINEER, THE LIMIT OF WORK SHALL BE THE BACK OF EXISTING SIDEWALK. ANY DISTURBED LAWN AREAS ALONG THE BACK OF SIDEWALK SHALL BE LOAMED AND SEEDED, AS REQUIRED BY THE ENGINEER.
- 20. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- 21. ALL PROPOSED PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
- 22. THE CONTRACTOR SHALL RESTORE ANY EXISTING SURFACE PAVEMENTS AND TURF WHICH IS TO REMAIN THAT IS DISTURBED BY THE PROPOSED WORK AND SHALL PATCH ALL HOLES RESULTING FROM THE REMOVAL OF

# FOUNDATIONS WITH MATERIALS SIMILAR TO THE EXISTING.

**GENERAL NOTES** 

- 23. ALL ACCESSIBLE ROUTES, WALKWAYS, CURB CUTS, RAMPS, SIDEWALKS, DRIVEWAY OPENINGS, CLEARANCES AND SLOPE TOLERANCES SHALL CONFORM WITH THE ARCHITECTURAL ACCESS BOARD (AAB), 521 CMR AND MASSDOT CONSTRUCTION AND TRAFFIC STANDARD DRAWINGS. IN THE EVENT THAT A FIELD CHANGE RESULTS IN VIOLATION OF AAB, THE CONTRACTOR SHALL BE INSTRUCTED TO NOTIFY THE ENGINEER FOR RESOLUTION AND THE COST OF ALL CORRECTIVE MEASURES SHALL BE PERFORMED AT THE EXPENSE OF THE CONTRACTOR.
- 24. ALL UTILITY COVERS WITHIN ACCESSIBLE ROUTES SHALL BE REPLACED WITH SLIP-RESISTANT COVERS
- 25. ITEMS LABELED "REM" SHALL BE REMOVED AND DISCARDED BY CONTRACTOR.
- 26. THE CONTRACTOR SHALL PROTECT EXISTING SURVEY MONUMENTS AND SHALL RESET ANY MONUMENTATION DISTURBED BY HIS OPERATIONS.
- 27. ALL PAVEMENT DEEMED UNSATISFACTORY BENEATH THE PROPOSED MILLING DEPTH SHALL BE REMOVED AND REPLACED TO PROVIDE A SUITABLE BASE CONDITION FOR THE NEW TOP COURSE PAVEMENT.
- 28. WHERE EXISTING SUNKEN TRENCH PAVEMENTS ARE ENCOUNTERED, THE AFFECTED AREA SHALL BE SAWCUT AND REPAIRED FOLLOWING FULL DEPTH PAVEMENT DESIGN AS SHOWN IN THE PAVEMENT NOTES.

	S 		TRAFFIC SYMBOLS			ABBREVIATI	ONS		BROCKTON NEW STREET & RETRONELLI WA
EXISTING	PROPOSED	DESCRIPTION	<b>EXISTING</b>	PROPOSED	DESCRIPTION	GENERAL			NEW STREET & PETRONELLI WA
□ JB	∭ JB	JERSEY BARRIER	<b>Ø</b> 1	<b>Ø</b> 1	CONTROLLER PHASE ACTUATED	AADT	ANNUAL AVERAGE DAILY TRAFFIC		STATE FED. AID PROJ. NO. SHEET TO NO. SH
⊕	■ CB	CATCH BASIN	[6]			ABAN	ABANDON		MA N/A 3
		CATCH BASIN CURB INLET	K	Ы	TRAFFIC SIGNAL HEAD (SIZE AS NOTED)	ADJ APPROX.	ADJUST APPROXIMATE		PROJECT FILE NO. PED 18 - NEW STREE
	⊗ FP	FLAG POLE		Ŏ		APPROX. A.C.	ASPHALT CONCRETE		LEGEND & ABBREVIATIONS
G GP	G GP	GAS PUMP	[_]		WIRE LOOP DETECTOR (6' x 6' TYP UNLESS OTHERWISE SPECIFIED)	A.C. ACCM PIPE	ASPHALT CONCRETE  ASPHALT COATED CORRUGATED METAL PIPE		
I MB	□ MB	MAIL BOX		<u> </u>	VIDEO DETECTION CAMERA	BIT.	BITUMINOUS		
		POST SQUARE POST CIRCULAR		_		BC	BOTTOM OF CURB		
WELL	⊕ WELL	WELL	$\triangleright\Box$		MICROWAVE DETECTOR	BD.	BOUND		
EHH	□ EHH	ELECTRIC HANDHOLE	$\oplus$	<u>•</u>	PEDESTRIAN PUSH BUTTON, SIGN (DIRECTIONAL ARROW AS SHOWN) AND SADDLE	BL	BASELINE	ABBREVIATI	IONS (cont.)
	0	FENCE GATE POST	*	*	EMERGENCY PREEMPTION CONFIRMATION STROBE LIGHT	BLDG	BUILDING		
) GG	o GG	GAS GATE	71	•		BM	BENCHMARK	<u>GENERAL</u>	
BHL #	→ BHL #	BORING HOLE	<	-	VEHICULAR SIGNAL HEAD	ВО	BY OTHERS	PWW	PAVED WATER WAY
MW #	<del>ф</del> мw#	MONITORING WELL	< </td <td>₩</td> <td>VEHICULAR SIGNAL HEAD, OPTICALLY PROGRAMMED</td> <td>BOS</td> <td>BOTTOM OF SLOPE</td> <td>R</td> <td>RADIUS OF CURVATURE</td>	₩	VEHICULAR SIGNAL HEAD, OPTICALLY PROGRAMMED	BOS	BOTTOM OF SLOPE	R	RADIUS OF CURVATURE
TP #	■ TP #	TEST PIT	←	•	FLASHING BEACON	BR.	BRIDGE	R&D	REMOVE AND DISPOSE
<b>P</b>	<b>P</b>	HYDRANT				CB CBCI	CATCH BASIN CATCH BASIN WITH CURB INLET	RCP RD	REINFORCED CONCRETE PIPE ROAD
E	<u> </u>	MASONRY PLUG		-	PEDESTRIAN SIGNAL HEAD, (TYPE AS NOTED OR AS SPECIFIED)	CC	CEMENT CONCRETE	RDWY	ROADWAY
*	*	LIGHT POLE	⊠ RRSG	▼ RRSG	RAILROAD SIGNAL	CCM	CEMENT CONCRETE MASONRY	REM	REMOVE
CO.BD.		COUNTY BOUND	_O_ OR O	•	SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)	CEM	CEMENT	RET	RETAIN
٥	_	GPS POINT	I		· · · · · · · · · · · · · · · · · · ·	CI	CURB INLET	RET WALL	RETAINING WALL
(c)	©	CABLE MANHOLE	0—0	€ 20'	MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)	CIP	CAST IRON PIPE	ROW	RIGHT OF WAY
(D)	(b)	DRAINAGE MANHOLE			HIGH MAST POLE OR TOWER	CLF	CHAIN LINK FENCE	RR	RAILROAD
(F)	E)	ELECTRIC MANHOLE			SIGN AND POST	CL	CENTERLINE	R&R	REMOVE AND RESET
	<b>©</b>	GAS MANHOLE				CMP	CORRUGATED METAL PIPE	R&S	REMOVE AND STACK
(S)	<b>w</b> )	MISC MANHOLE SEWER MANHOLE	00	00	SIGN AND POST (2 POSTS)	CSP	CORRUGATED STEEL PIPE	RT	RIGHT
(T)	<b>⊚</b> ⊕	TELEPHONE MANHOLE		<b>★</b> <sup>20′</sup>	MAST ARM WITH LUMINAIRE	CO.	COUNTY	SB	STONE BOUND
(w)	<b>(W)</b>	WATER MANHOLE		-	OPTICAL PRE-EMPTION DETECTOR	CONC	CONCRETE	SHLD	SHOULDER
MHB	■ MHB	MASSACHUSETTS HIGHWAY BOUND				CONT	CONTINUOUS	SMH ST	SEWER MANHOLE STREET
MON		MONUMENT			CONTROL CABINET, GROUND MOUNTED	CONST	CONSTRUCTION	STA	STATION
SB		STONE BOUND			CONTROL CABINET, POLE MOUNTED	CR GR DHV	CROWN GRADE DESIGN HOURLY VOLUME	SSD	STOPPING SIGHT DISTANCE
TB		TOWN OR CITY BOUND			FLASHING BEACON CONTROL AND METER PEDESTAL	וט זוק	DROP INLET	SHLO	STATE HIGHWAY LAYOUT LINE
Δ		TRAVERSE OR TRIANGULATION STATION				DIA	DIAMETER	SW	SIDEWALK
L or GUY -	→ TPL or GUY	TROLLEY POLE OR GUY POLE		$\bowtie$	LOAD CENTER ASSEMBLY	DIP	DUCTILE IRON PIPE	T	TANGENT DISTANCE OF CURVE/TRUG
HTP		TRANSMISSION POLE			PULL BOX 12"x12" (OR AS NOTED)	DMH	DRAIN MANHOLE	TAN	TANGENT
- UFB	ے۔ UFB	UTILITY POLE W/ FIREBOX			ELECTRIC HANDHOLE 12"x24" (OR AS NOTED)	DW	STEADY DON'T WALK - PORTLAND ORANGE	TBM	TEMPORARY BENCHMARK
UPDL	-∳- UPDL	UTILITY POLE WITH DOUBLE LIGHT				DWY	DRIVEWAY	TEMP	TEMPORARY
- ULT	-&- ULT	UTILITY POLE W / 1 LIGHT			TRAFFIC SIGNAL CONDUIT	ELEV (or EL.)	ELEVATION	TC	TOP OF CURB
- UPL	-∽ UPL	UTILITY POLE				EMB	EMBANKMENT	TOS	TOP OF SLOPE
		BUSH				EOP	EDGE OF PAVEMENT	TYP	TYPICAL UTILITY POLE
E & TYPE		TREE				EXIST (or EX)		UP VAR	VARIES
O		STUMP (MARCH				EXC	EXCAVATION	VAR	VERTICAL
wG WG	• WG	SWAMP / MARSH				F&C	FRAME AND COVER	VC	VERTICAL CURVE
PM	• PM	WATER GATE				F&G	FRAME AND GRATE	WCR	WHEEL CHAIR RAMP
		PARKING METER OVERHEAD CABLE/WIRE				FDN.	FOUNDATION	WG	WATER GATE
						FLDSTN GAR	FIELDSTONE GARAGE	WIP	WROUGHT IRON PIPE
						GAIN			WATER METER/WATER MAIN
		- CONTOURS (ON-THE-GROUND SURVEY DATA)					GROUND	WM	
		<ul><li>CONTOURS (ON-THE-GROUND SURVEY DATA)</li><li>CONTOURS (PHOTOGRAMMETRIC DATA)</li></ul>	DAVEMENT MARKIN			GD	GROUND GAS GATE	WM X-SECT	CROSS SECTION
		- CONTOURS (PHOTOGRAMMETRIC DATA)	PAVEMENT MARKIN	IGS SYMBOLS			GAS GATE		CROSS SECTION
		· · · · · · · · · · · · · · · · · · ·			DESCRIPTION	GD			CROSS SECTION
		- CONTOURS (PHOTOGRAMMETRIC DATA) - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)	EXISTING	IGS SYMBOLS  PROPOSED	<u>DESCRIPTION</u>	GD GG GI	GAS GATE GUTTER INLET	X-SECT	
<del>-</del>		- CONTOURS (PHOTOGRAMMETRIC DATA) - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER)			DESCRIPTION PAVEMENT ARROW - WHITE	GD GG GI GIP	GAS GATE GUTTER INLET GALVANIZED IRON PIPE		
		- CONTOURS (PHOTOGRAMMETRIC DATA) - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER)				GD GG GI GIP GRAN GRAV GRD	GAS GATE GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD	X-SECT  TRAFFIC SIG	<b>GNAL</b> CABINET
		- CONTOURS (PHOTOGRAMMETRIC DATA) - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER)			PAVEMENT ARROW - WHITE LEGEND "ONLY" - WHITE	GD GG GI GIP GRAN GRAV GRD HDW	GAS GATE GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD HEADWALL	TRAFFIC SIG	CABINET CLOSED CIRCUIT VIDEO EQUIPMENT
	· · · · · · · · · · · · · · · · · · ·	- CONTOURS (PHOTOGRAMMETRIC DATA) - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER) BALANCED STONE WALL		PROPOSED	PAVEMENT ARROW - WHITE  LEGEND "ONLY" - WHITE  STOP LINE	GD GG GI GIP GRAN GRAV GRD HDW HMA	GAS GATE GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD HEADWALL HOT MIX ASPHALT	TRAFFIC SIG	CABINET  CLOSED CIRCUIT VIDEO EQUIPMENT  STEADY DON'T WALK
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		- CONTOURS (PHOTOGRAMMETRIC DATA) - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER) BALANCED STONE WALL - GUARD RAIL - STEEL POSTS - GUARD RAIL - WOOD POSTS - CHAIN LINK OR METAL FENCE - WOOD FENCE		PROPOSED  The second se	PAVEMENT ARROW - WHITE  LEGEND "ONLY" - WHITE  STOP LINE  CROSSWALK  SOLID WHITE LINE  SOLID YELLOW LINE	GD GG GI GIP GRAN GRAV GRD HDW HMA HOR HOR	GAS GATE GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION	TRAFFIC SIG CAB. CCVE DW FDW FR FRL FRR	CABINET CLOSED CIRCUIT VIDEO EQUIPMENT STEADY DON'T WALK FLASHING DON'T WALK FLASHING CIRCULAR RED FLASHING RED LEFT ARROW FLASHING RED RIGHT ARROW
	X — — — — — — — — — — — — — — — — — — —	- CONTOURS (PHOTOGRAMMETRIC DATA) - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER) BALANCED STONE WALL - GUARD RAIL - STEEL POSTS - GUARD RAIL - WOOD POSTS - CHAIN LINK OR METAL FENCE - WOOD FENCE		PROPOSED   The second s	PAVEMENT ARROW - WHITE  LEGEND "ONLY" - WHITE  STOP LINE  CROSSWALK  SOLID WHITE LINE  SOLID YELLOW LINE	GD GG GI GIP GRAN GRAV GRD HDW HMA HOR HYD INV	GAS GATE GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE	TRAFFIC SIG CAB. CCVE DW FDW FR FRL FRR FY	CABINET CLOSED CIRCUIT VIDEO EQUIPMENT STEADY DON'T WALK FLASHING DON'T WALK FLASHING CIRCULAR RED FLASHING RED LEFT ARROW FLASHING RED RIGHT ARROW FLASHING CIRCULAR AMBER
		- CONTOURS (PHOTOGRAMMETRIC DATA) - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER) BALANCED STONE WALL - GUARD RAIL - STEEL POSTS - GUARD RAIL - WOOD POSTS - CHAIN LINK OR METAL FENCE - WOOD FENCE - COMPOST FILTER TUBES - TREE LINE	EXISTING	PROPOSED  The second se	PAVEMENT ARROW - WHITE  LEGEND "ONLY" - WHITE  STOP LINE  CROSSWALK  SOLID WHITE LINE  SOLID YELLOW LINE	GD GG GI GIP GRAN GRAV GRD HDW HMA HOR HYD INV	GAS GATE GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE LEACH BASIN	TRAFFIC SIG	CABINET CLOSED CIRCUIT VIDEO EQUIPMENT STEADY DON'T WALK FLASHING DON'T WALK FLASHING CIRCULAR RED FLASHING RED LEFT ARROW FLASHING RED RIGHT ARROW FLASHING CIRCULAR AMBER FLASHING AMBER LEFT ARROW
	X — — — — — — — — — — — — — — — — — — —	- CONTOURS (PHOTOGRAMMETRIC DATA) - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER) BALANCED STONE WALL - GUARD RAIL - STEEL POSTS - GUARD RAIL - WOOD POSTS - CHAIN LINK OR METAL FENCE - WOOD FENCE - COMPOST FILTER TUBES - TREE LINE - SAWCUT LINE	EXISTING	PROPOSED  The state of the stat	PAVEMENT ARROW - WHITE  LEGEND "ONLY" - WHITE  STOP LINE  CROSSWALK  SOLID WHITE LINE  SOLID YELLOW LINE  BROKEN WHITE LINE  BROKEN YELLOW LINE	GD GG GI GIP GRAN GRAV GRD HDW HMA HOR HYD INV	GAS GATE GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE	TRAFFIC SIG CAB. CCVE DW FDW FR FRL FRR FY	CABINET CLOSED CIRCUIT VIDEO EQUIPMENT STEADY DON'T WALK FLASHING DON'T WALK FLASHING CIRCULAR RED FLASHING RED LEFT ARROW FLASHING RED RIGHT ARROW FLASHING CIRCULAR AMBER
		- CONTOURS (PHOTOGRAMMETRIC DATA) - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER) BALANCED STONE WALL - GUARD RAIL - STEEL POSTS - GUARD RAIL - WOOD POSTS - CHAIN LINK OR METAL FENCE - WOOD FENCE - COMPOST FILTER TUBES - TREE LINE - SAWCUT LINE - TOP OR BOTTOM OF SLOPE	EXISTING	PROPOSED  The second se	PAVEMENT ARROW - WHITE  LEGEND "ONLY" - WHITE  STOP LINE  CROSSWALK  SOLID WHITE LINE  SOLID YELLOW LINE  BROKEN WHITE LINE  BROKEN YELLOW LINE  DOTTED WHITE LINE	GD GG GI GIP GRAN GRAV GRD HDW HMA HOR HYD INV JCT L LB LP LT	GAS GATE GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE LEACH BASIN LIGHT POLE	TRAFFIC SIG	CABINET CLOSED CIRCUIT VIDEO EQUIPMENT STEADY DON'T WALK FLASHING DON'T WALK FLASHING CIRCULAR RED FLASHING RED LEFT ARROW FLASHING RED RIGHT ARROW FLASHING CIRCULAR AMBER FLASHING AMBER LEFT ARROW FLASHING AMBER RIGHT ARROW
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		- CONTOURS (PHOTOGRAMMETRIC DATA) - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER) BALANCED STONE WALL - GUARD RAIL - STEEL POSTS - GUARD RAIL - WOOD POSTS - CHAIN LINK OR METAL FENCE - WOOD FENCE - COMPOST FILTER TUBES - TREE LINE - SAWCUT LINE - TOP OR BOTTOM OF SLOPE - LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY BANK OF RIVER OR STREAM	EXISTING	PROPOSED  The second se	PAVEMENT ARROW - WHITE  LEGEND "ONLY" - WHITE  STOP LINE  CROSSWALK  SOLID WHITE LINE  SOLID YELLOW LINE  BROKEN WHITE LINE  BROKEN YELLOW LINE  DOTTED WHITE LINE	GD GG GI GIP GRAN GRAV GRD HDW HMA HOR HYD INV JCT L LB LP LT MAX	GAS GATE GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE LEACH BASIN LIGHT POLE LEFT MAXIMUM	TRAFFIC SIG	CABINET CLOSED CIRCUIT VIDEO EQUIPMENT STEADY DON'T WALK FLASHING DON'T WALK FLASHING CIRCULAR RED FLASHING RED LEFT ARROW FLASHING RED RIGHT ARROW FLASHING CIRCULAR AMBER FLASHING AMBER LEFT ARROW FLASHING AMBER RIGHT ARROW STEADY CIRCULAR GREEN STEADY GREEN LEFT ARROW
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		- CONTOURS (PHOTOGRAMMETRIC DATA) - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER) BALANCED STONE WALL - GUARD RAIL - STEEL POSTS - GUARD RAIL - WOOD POSTS - CHAIN LINK OR METAL FENCE - WOOD FENCE - COMPOST FILTER TUBES - TREE LINE - SAWCUT LINE - TOP OR BOTTOM OF SLOPE - LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY BANK OF RIVER OR STREAM BORDER OF WETLAND	EXISTING	PROPOSED  SU SWL SYL BWL BYL DWL DYL	PAVEMENT ARROW - WHITE  LEGEND "ONLY" - WHITE  STOP LINE  CROSSWALK  SOLID WHITE LINE  SOLID YELLOW LINE  BROKEN WHITE LINE  BROKEN YELLOW LINE  DOTTED WHITE LINE EXTENSION  DOTTED YELLOW LINE EXTENSION	GD GG GI GIP GRAN GRAV GRD HDW HMA HOR HYD INV JCT L LB LP LT MAX MB MH	GAS GATE GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE LEACH BASIN LIGHT POLE LEFT MAXIMUM MAILBOX MANHOLE	TRAFFIC SIGNAME  CAB. CCVE DW FDW FR FRL FRR FY FYL FYR G GL GR GSL GSR GV	CABINET CLOSED CIRCUIT VIDEO EQUIPMENT STEADY DON'T WALK FLASHING DON'T WALK FLASHING CIRCULAR RED FLASHING RED LEFT ARROW FLASHING RED RIGHT ARROW FLASHING CIRCULAR AMBER FLASHING AMBER LEFT ARROW FLASHING AMBER RIGHT ARROW STEADY CIRCULAR GREEN STEADY GREEN LEFT ARROW STEADY GREEN RIGHT ARROW STEADY GREEN SLASH LEFT ARROW STEADY GREEN SLASH RIGHT ARROW STEADY GREEN SLASH RIGHT ARROW
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		- CONTOURS (PHOTOGRAMMETRIC DATA) - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER) - BALANCED STONE WALL - GUARD RAIL - STEEL POSTS - GUARD RAIL - WOOD POSTS - CHAIN LINK OR METAL FENCE - WOOD FENCE - COMPOST FILTER TUBES - TREE LINE - SAWCUT LINE - TOP OR BOTTOM OF SLOPE - LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY BANK OF RIVER OR STREAM BORDER OF WETLAND - 100 FT WETLAND BUFFER - STATE HIGHWAY LAYOUT	EXISTING	PROPOSED  SU SU SWL SYL BWL BYL DWL DWL DYL DWLEX DBWL	PAVEMENT ARROW - WHITE  LEGEND "ONLY" - WHITE  STOP LINE  CROSSWALK  SOLID WHITE LINE  SOLID YELLOW LINE  BROKEN WHITE LINE  BROKEN YELLOW LINE  DOTTED WHITE LINE  DOTTED WHITE LINE  DOTTED WHITE LINE  DOTTED WHITE LINE EXTENSION  DOUBLE WHITE LINE	GD GG GI GRAN GRAV GRD HDW HMA HOR HYD INV JCT L LB LP LT MAX MB MH MHB MIN NIC NO. PC	GAS GATE GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE LEACH BASIN LIGHT POLE LEFT MAXIMUM MAILBOX MANHOLE MASSACHUSETTS HIGHWAY BOUND MINIMUM NOT IN CONTRACT NUMBER POINT OF CURVATURE	TRAFFIC SIG	CABINET CLOSED CIRCUIT VIDEO EQUIPMENT STEADY DON'T WALK FLASHING DON'T WALK FLASHING CIRCULAR RED FLASHING RED LEFT ARROW FLASHING RED RIGHT ARROW FLASHING CIRCULAR AMBER FLASHING AMBER LEFT ARROW FLASHING AMBER RIGHT ARROW STEADY CIRCULAR GREEN STEADY GREEN LEFT ARROW STEADY GREEN SLASH LEFT ARROW STEADY GREEN SLASH RIGHT ARROW STEADY GREEN SLASH RIGHT ARROW STEADY GREEN VERTICAL ARROW OVERLAP PEDESTRIAN PAN, TILE, ZOOM
		CONTOURS (PHOTOGRAMMETRIC DATA)  UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)  UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER)  UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER)  UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER)  UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER)  UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER)  BALANCED STONE WALL  GUARD RAIL - STEEL POSTS  GUARD RAIL - WOOD POSTS  CHAIN LINK OR METAL FENCE  COMPOST FILTER TUBES  TREE LINE  SAWCUT LINE  TOP OR BOTTOM OF SLOPE  LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY  BANK OF RIVER OR STREAM  BORDER OF WETLAND  100 FT WETLAND BUFFER  200 FT RIVERFRONT BUFFER  STATE HIGHWAY LAYOUT	EXISTING	PROPOSED  SU SU SWL SYL BWL BYL DWL DWL DYL DWLEX DBWL	PAVEMENT ARROW - WHITE  LEGEND "ONLY" - WHITE  STOP LINE  CROSSWALK  SOLID WHITE LINE  SOLID YELLOW LINE  BROKEN WHITE LINE  BROKEN YELLOW LINE  DOTTED WHITE LINE  DOTTED WHITE LINE  DOTTED WHITE LINE  DOTTED WHITE LINE EXTENSION  DOUBLE WHITE LINE	GD GG GI GRAN GRAV GRD HDW HMA HOR HYD INV JCT L LB LP LT MAX MB MH MHB MIN NIC NO. PC PCC	GAS GATE GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE LEACH BASIN LIGHT POLE LEFT MAXIMUM MAILBOX MANHOLE MASSACHUSETTS HIGHWAY BOUND MINIMUM NOT IN CONTRACT NUMBER POINT OF CURVATURE	TRAFFIC SIG	CABINET CLOSED CIRCUIT VIDEO EQUIPMENT STEADY DON'T WALK FLASHING DON'T WALK FLASHING CIRCULAR RED FLASHING RED LEFT ARROW FLASHING RED RIGHT ARROW FLASHING CIRCULAR AMBER FLASHING AMBER LEFT ARROW FLASHING AMBER RIGHT ARROW STEADY CIRCULAR GREEN STEADY GREEN LEFT ARROW STEADY GREEN RIGHT ARROW STEADY GREEN SLASH LEFT ARROW STEADY GREEN SLASH RIGHT ARROW STEADY GREEN SLASH RIGHT ARROW STEADY GREEN VERTICAL ARROW OVERLAP PEDESTRIAN PAN, TILE, ZOOM STEADY CIRCULAR RED
		CONTOURS (PHOTOGRAMMETRIC DATA)  - UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)  - UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER)  - UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER)  - UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER)  - UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER)  - UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER)  BALANCED STONE WALL  - GUARD RAIL - STEEL POSTS  - GUARD RAIL - WOOD POSTS  - CHAIN LINK OR METAL FENCE  - COMPOST FILTER TUBES  - TREE LINE  - SAWCUT LINE  - TOP OR BOTTOM OF SLOPE  - LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY  BANK OF RIVER OR STREAM  BORDER OF WETLAND  100 FT WETLAND BUFFER  200 FT RIVERFRONT BUFFER  - STATE HIGHWAY LAYOUT  - TOWN OR CITY LAYOUT	EXISTING	PROPOSED  SU SU SWL SYL BWL BYL DWL DWL DYL DWLEX DBWL	PAVEMENT ARROW - WHITE  LEGEND "ONLY" - WHITE  STOP LINE  CROSSWALK  SOLID WHITE LINE  SOLID YELLOW LINE  BROKEN WHITE LINE  BROKEN YELLOW LINE  DOTTED WHITE LINE  DOTTED WHITE LINE  DOTTED WHITE LINE  DOTTED WHITE LINE EXTENSION  DOUBLE WHITE LINE	GD GG GI GRAN GRAV GRD HDW HMA HOR HYD INV JCT L LB LP LT MAX MB MH MHB MIN NIC NO. PC PGL	GAS GATE GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE LEACH BASIN LIGHT POLE LEFT MAXIMUM MAILBOX MANHOLE MASSACHUSETTS HIGHWAY BOUND MINIMUM NOT IN CONTRACT NUMBER POINT OF CURVATURE PROFILE GRADE LINE	TRAFFIC SIGNAME  CAB. CCVE DW FDW FR FRL FRR FY FYL FYR G GL GR GSL GSR GV OL PED PTZ R RL	CABINET CLOSED CIRCUIT VIDEO EQUIPMENT STEADY DON'T WALK FLASHING DON'T WALK FLASHING CIRCULAR RED FLASHING RED LEFT ARROW FLASHING RED RIGHT ARROW FLASHING CIRCULAR AMBER FLASHING AMBER LEFT ARROW FLASHING AMBER RIGHT ARROW STEADY CIRCULAR GREEN STEADY GREEN LEFT ARROW STEADY GREEN RIGHT ARROW STEADY GREEN SLASH LEFT ARROW STEADY GREEN SLASH RIGHT ARROW STEADY GREEN SLASH RIGHT ARROW STEADY GREEN VERTICAL ARROW OVERLAP PEDESTRIAN PAN, TILE, ZOOM STEADY CIRCULAR RED STEADY RED LEFT ARROW
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### **BROCKTON NEW STREET & PETRONELLI WAY**

E	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS			
	N/A	5	16			
ROJECT FILE NO. PED 18 - NEW STREET						

TYPICAL SECTIONS

# **PAVEMENT NOTES**

# PROPOSED FULL DEPTH PAVEMENT

 $1\frac{1}{2}$ " HOT MIX ASPHALT SURFACE COURSE OVER

0.05 GAL/SY ASPHALT EMULSION FOR TACK COAT OVER

**BINDER:** 2" HOT MIX ASPHALT BINDER COURSE OVER

0.05 GAL/SY ASPHALT EMULSION FOR TACK COAT OVER

2" HOT MIX ASPHALT BINDER COURSE OVER

(\*TOTAL OF 4" BINDER COURSE IN 2 COURSES)

4" DENSE GRADED CRUSHED STONE OVER SUB-BASE:

8" GRAVEL BORROW (M1.03.0 TYPE b)

### PROPOSED PAVEMENT MILLING AND OVERLAY

1 1/2" HOT MIX ASPHALT BINDER COURSE OVER SURFACE:

> 0.07 GAL/SY ASPHALT EMULSION FOR TACK COAT OVER VARIABLE DEPTH PAVEMENT MICRO-MILLING (MAX  $1\frac{1}{2}$ ")

## PROPOSED CEMENT CONCRETE SIDEWALK / PEDESTRIAN RAMP

4" CEMENT CONCRETE (AIR ENTRAINED 4,000 PSI, 3/4", 610) OVER

FOUNDATION: 8" GRAVEL BORROW (M1.03.0 TYPE b)

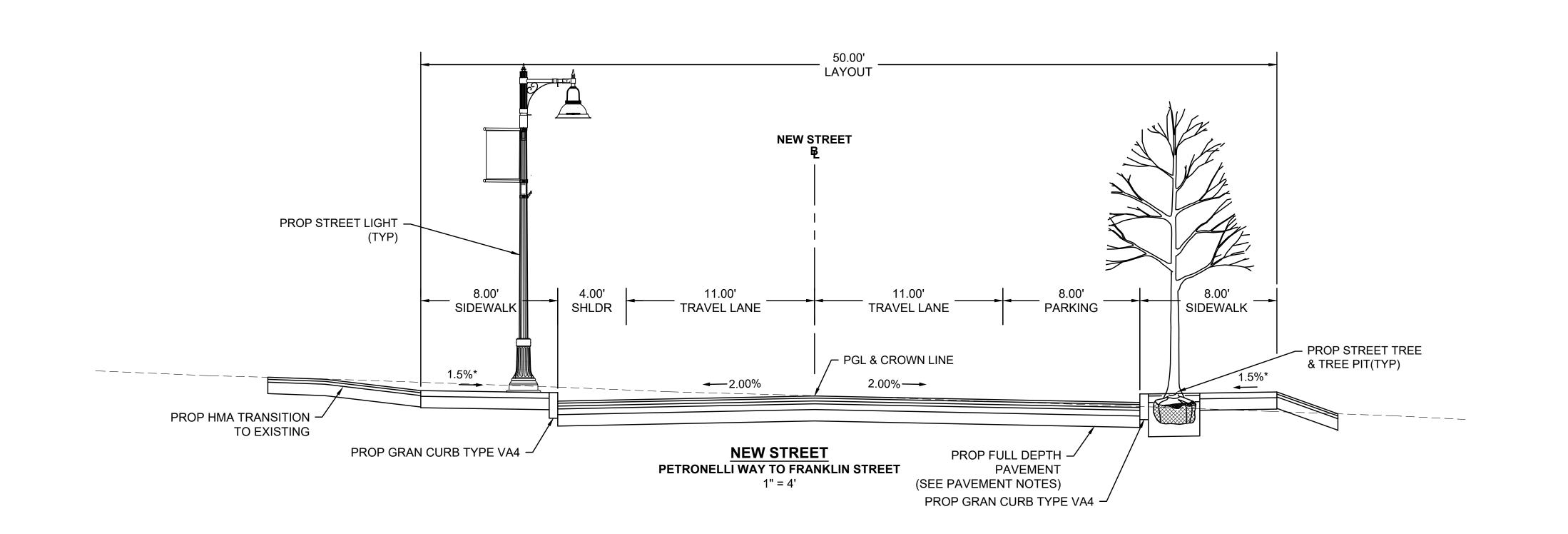
# PROPOSED HOT MIX ASPHALT TRANSITION TO EXISTING

1 ½" HOT MIX ASPHALT SURFACE COURSE OVER SURFACE:

0.05 GAL/SY ASPHALT EMULSION FOR TACK COAT OVER

2" HOT MIX ASPHALT BINDER COURSE OVER BASE: FOUNDATION: 8" GRAVEL BORROW (M1.03.0 TYPE b)

\* TOLERANCE FOR CONSTRUCTION ±0.5%



LAYOUT WIDTH VARIES

PETRONELLI WAY

PETRONELLI WAY

1" = 4'

2.00' & VARIES

SHOULDER

- RETAIN

EXIST CURB

11.00'

TRAVEL LANE

**VARIES** 

→ MATCH EXIST

PROP MILL & OVERLAY / MONTELLO STREET TO MAIN STREET

**EXISTING** 

SIDEWALK

TO REMAIN

2.00'

SHOULDER

REM & RESET

**EXIST CURB** 

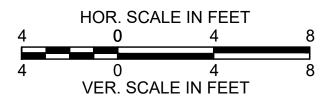
SIDEWALK —

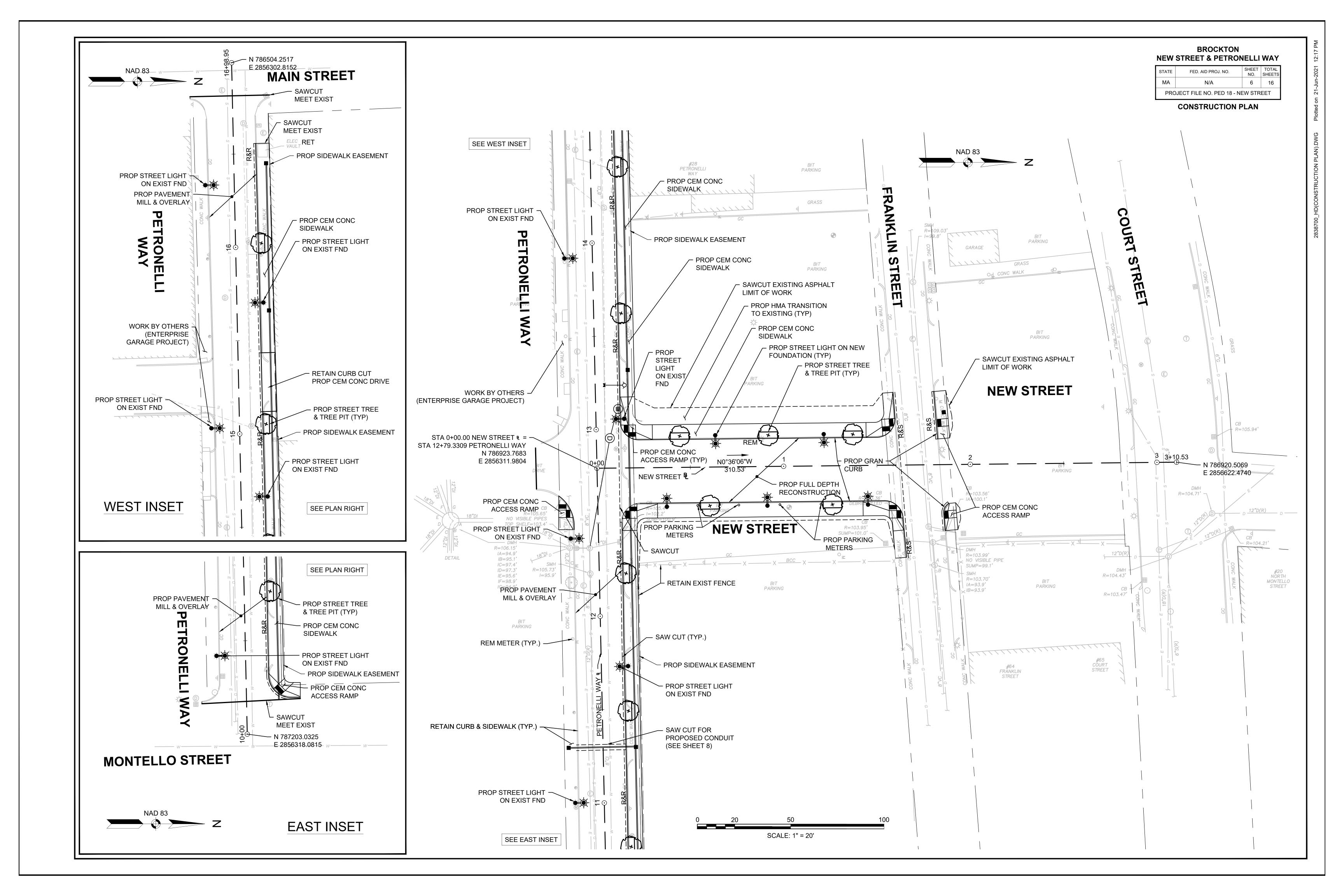
11.00'

TRAVEL LANE

**VARIES** MATCH EXIST →

- CROWN LINE

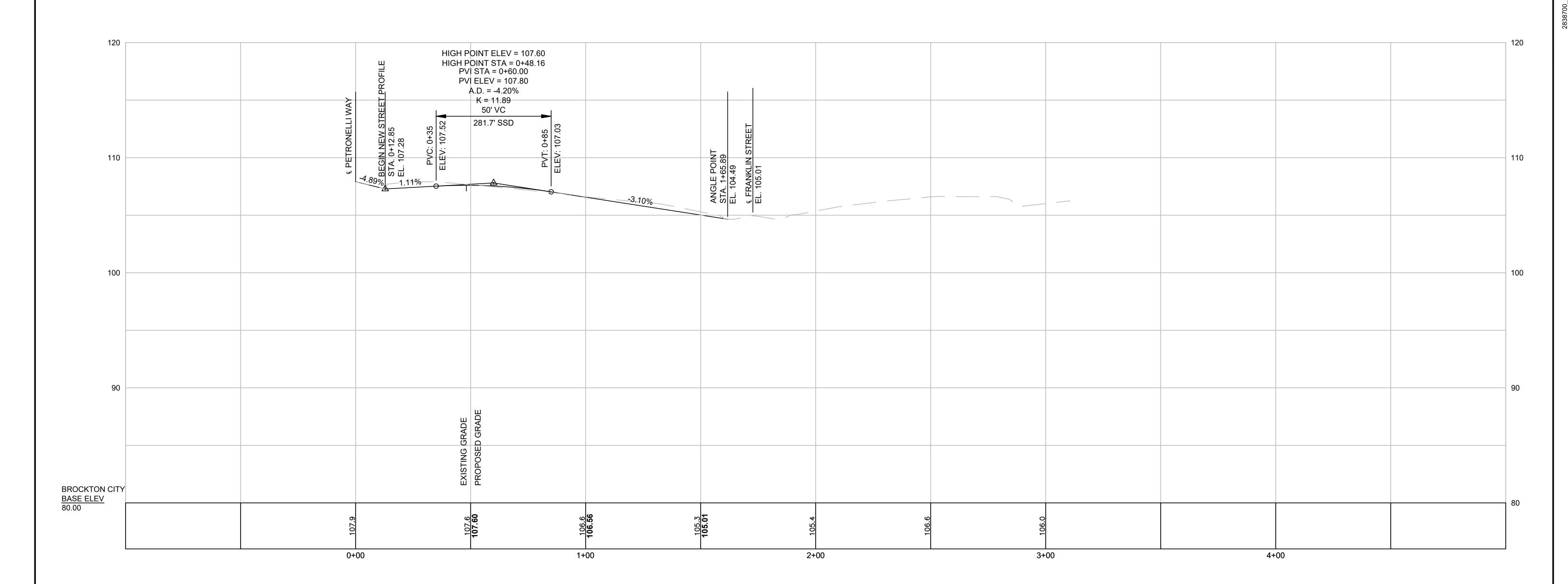




NEW STREET & PETRONELLI WAY

TATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS		
MA	N/A	7	16		
PROJECT FILE NO. PED 18 - NEW STREET					

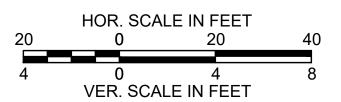
**PROFILE** 

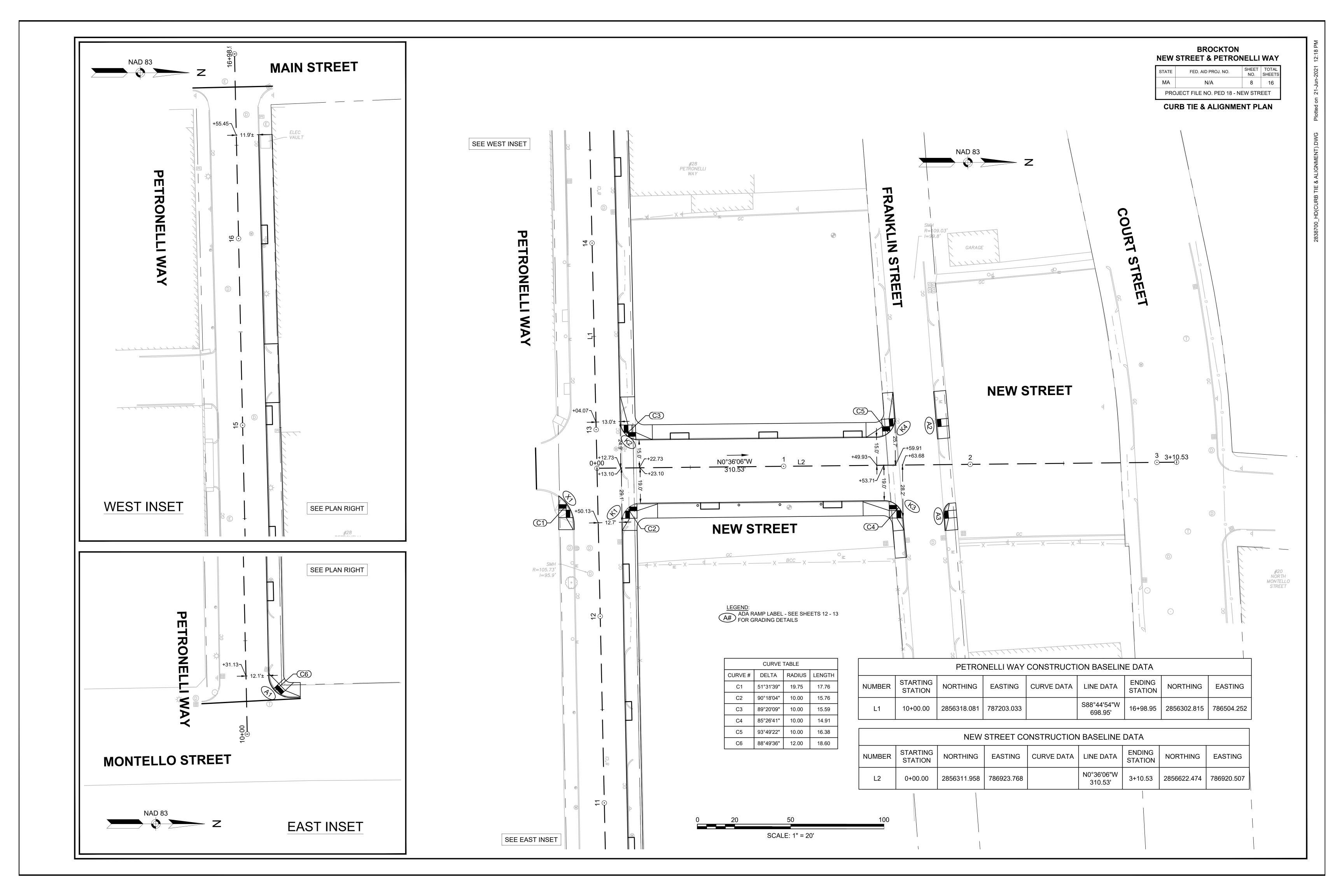


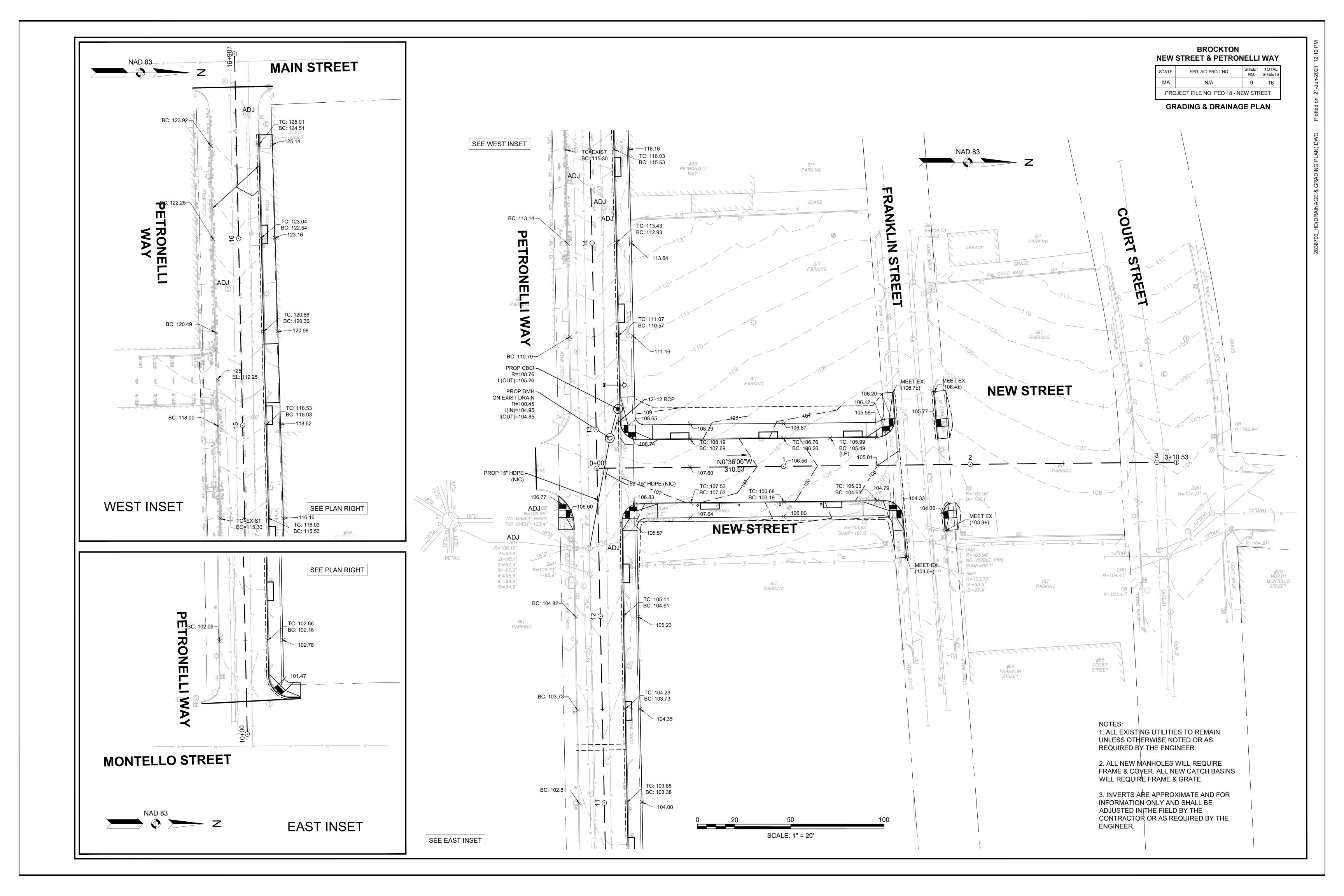
NEW STREET PROFILE

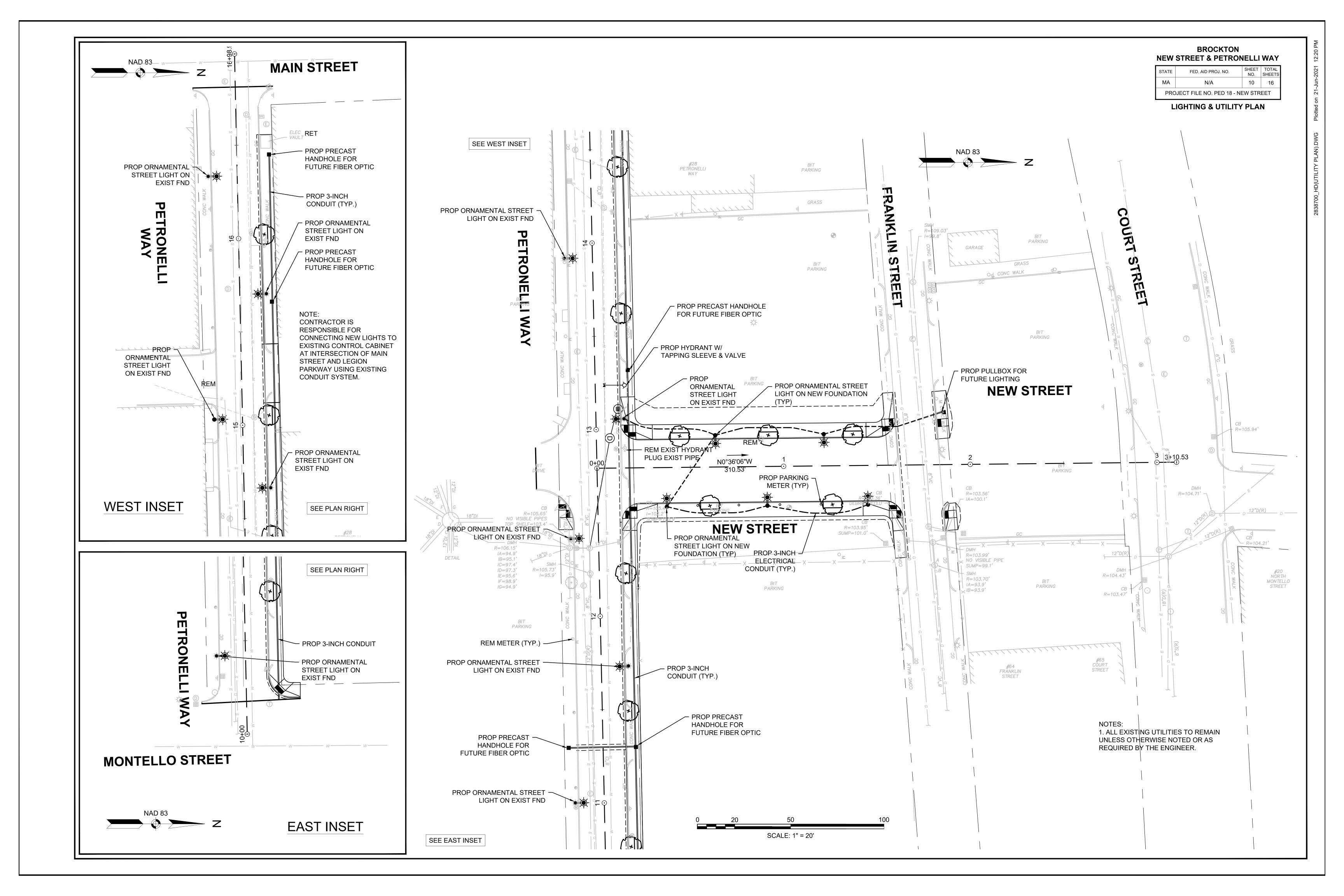
SCALE: 1" = 20' HORIZONTAL

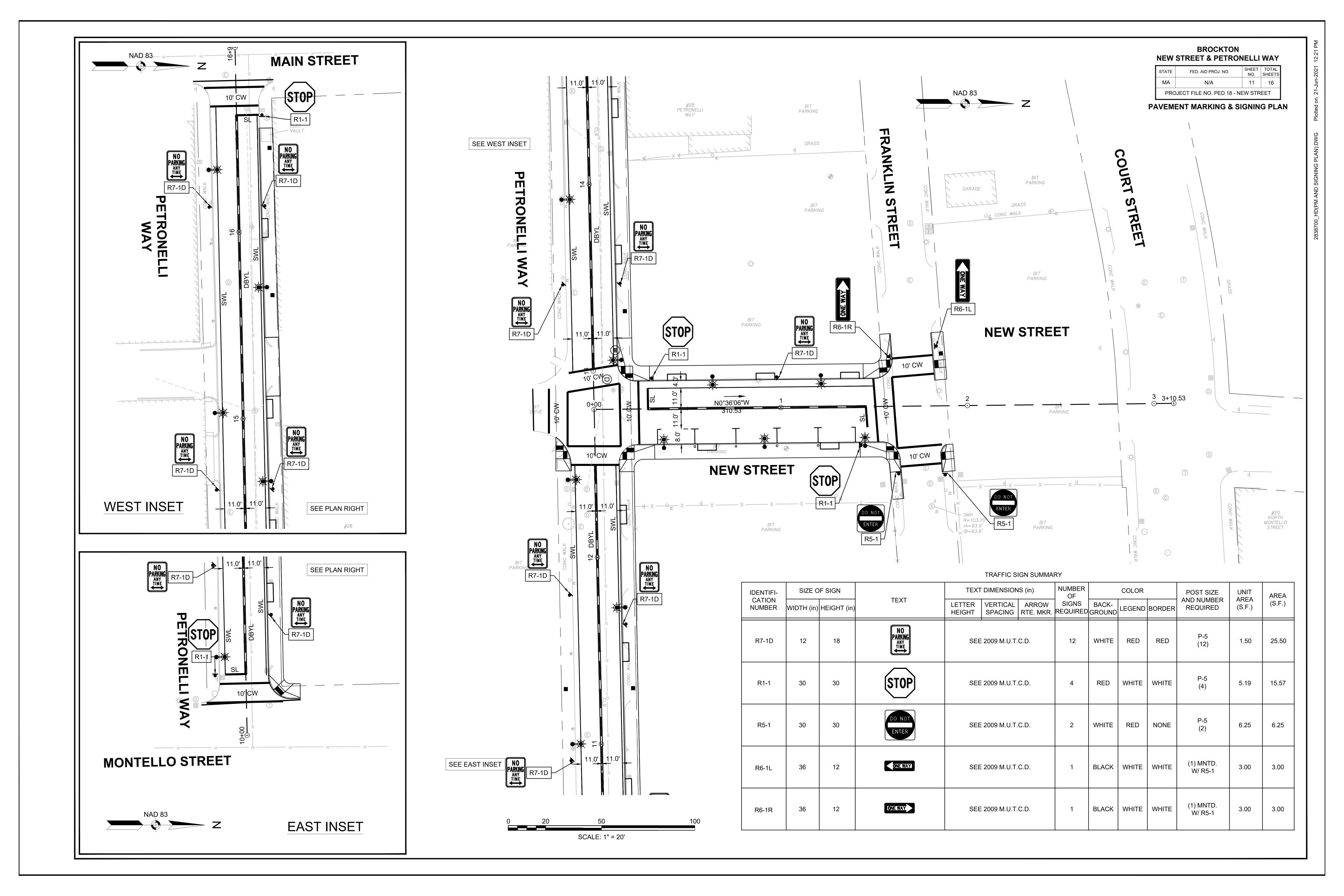
1" = 4' VERTICAL

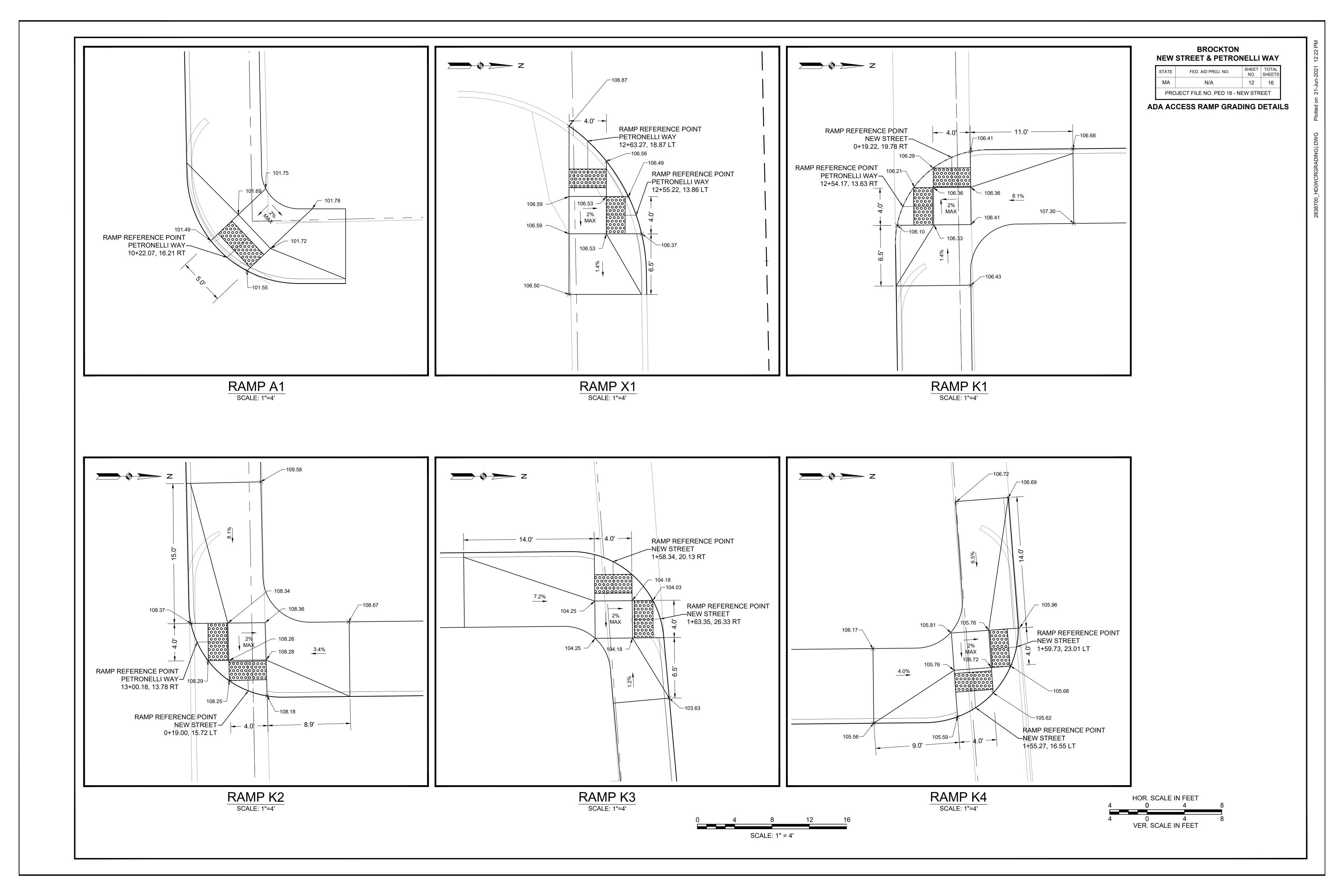


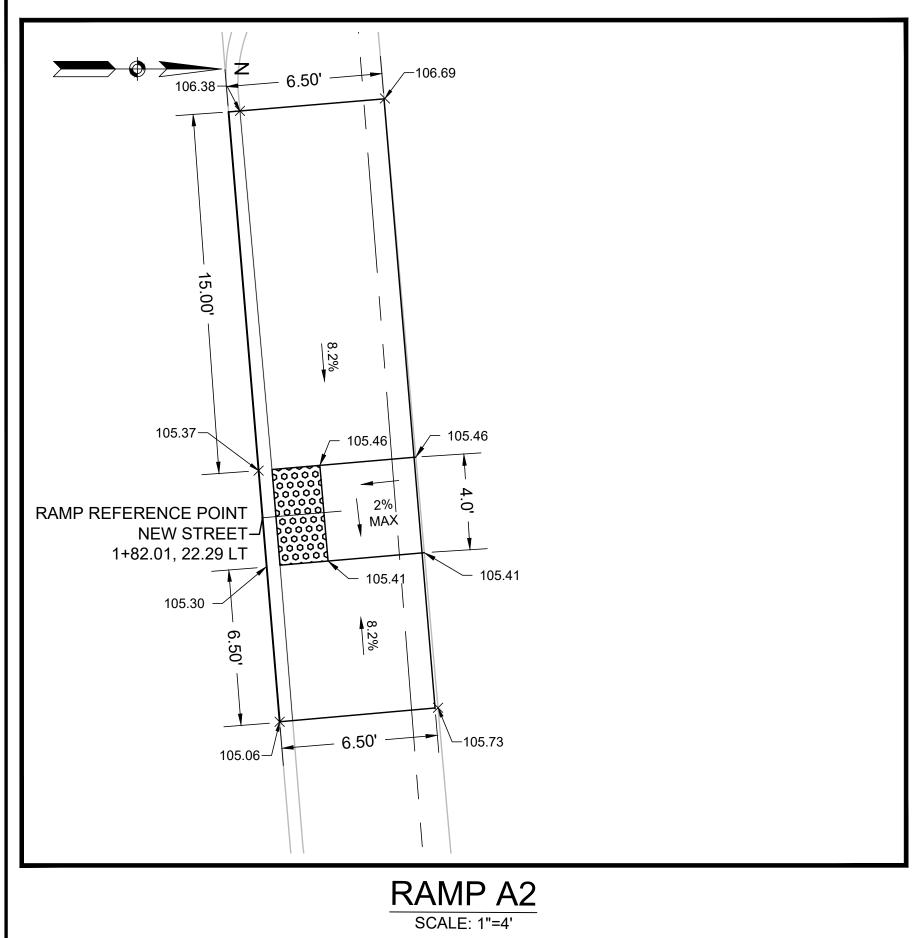


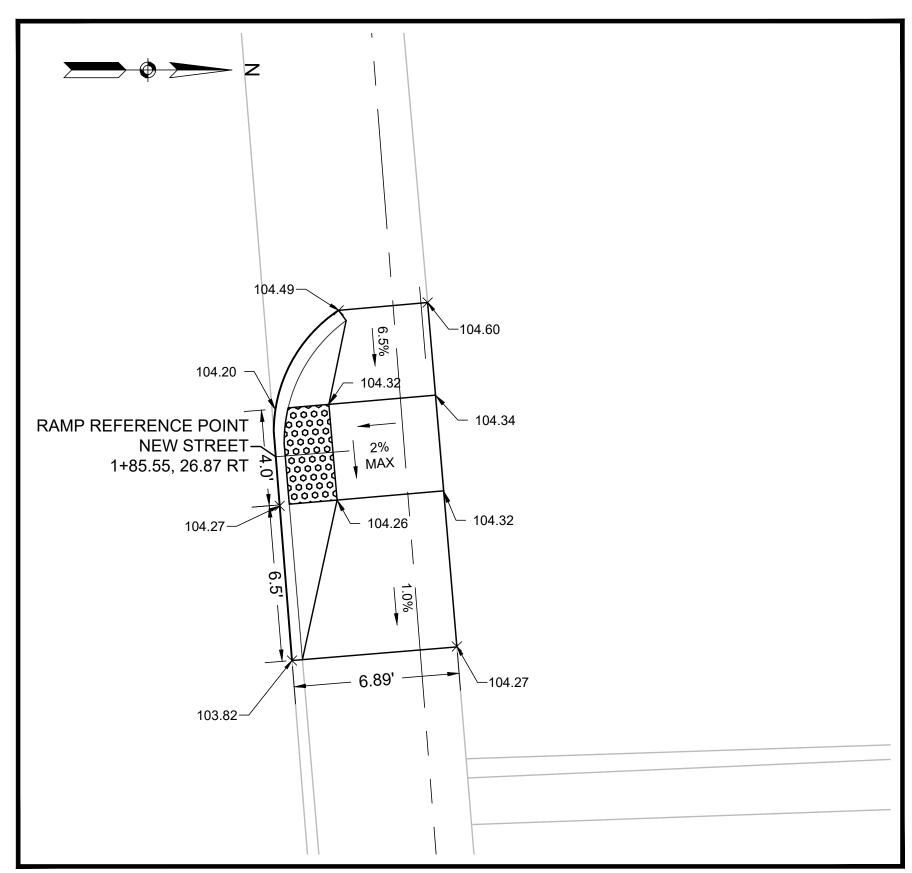












RAMP A3
SCALE: 1"=4'

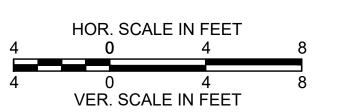
# **BROCKTON**

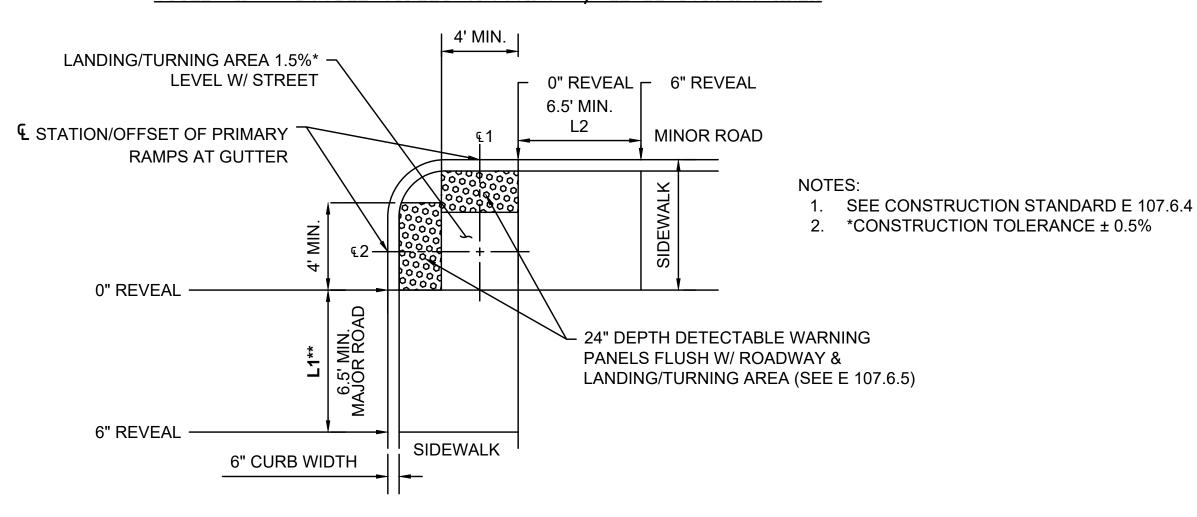
# NEW STREET & PETRONELLI WAY

STATE	FED. AID PROJ. NO.	NO.	SHEETS
MA	N/A	13	16
PRC	)JECT FILE NO. PED 18 - NE	EW STR	EET

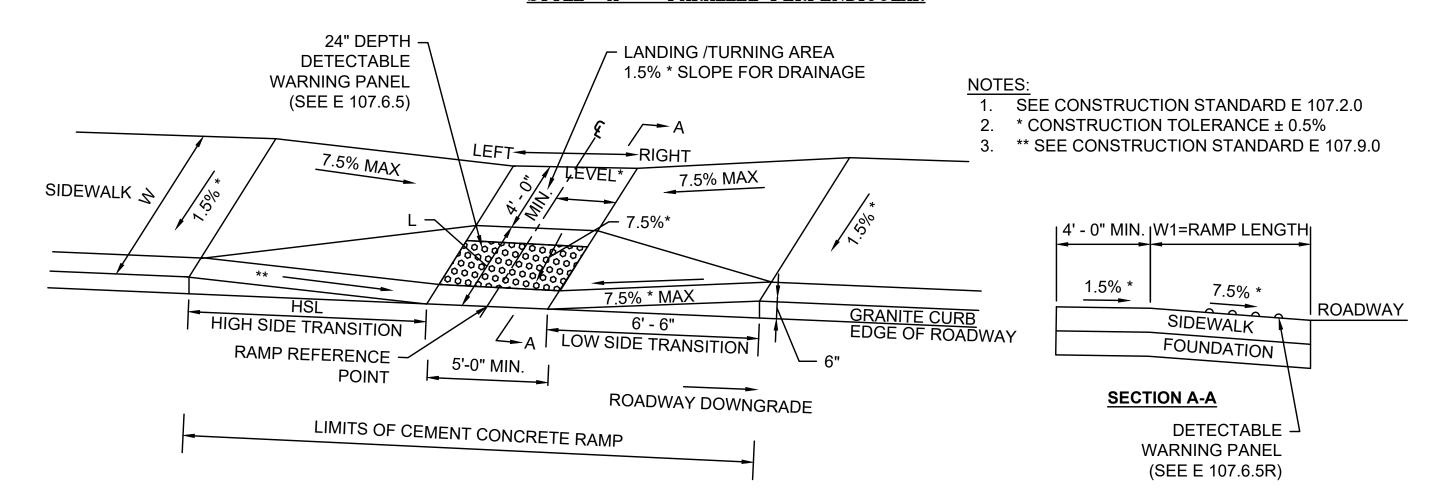
ADA ACCESS RAMP GRADING DETAILS







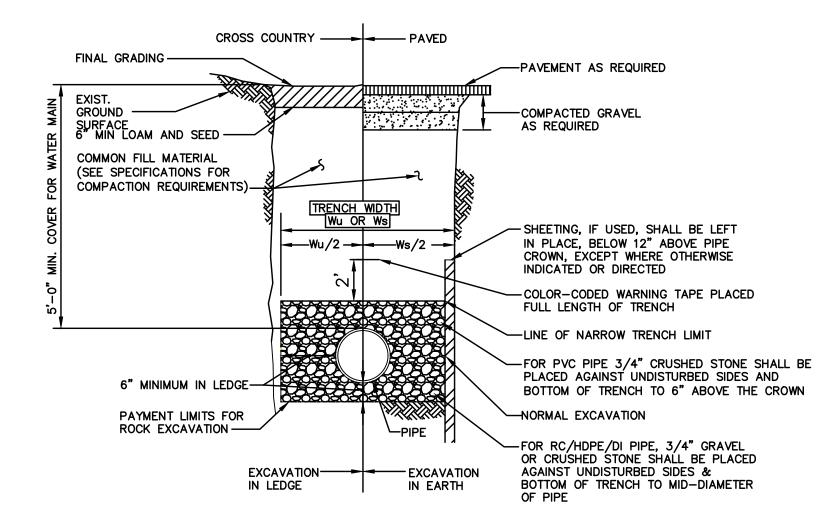
<u>WHEELCHAIR RAMP</u> STYLE "A" - PARALLEL PERPENDICULAR



# BROCKTON NEW STREET & PETRONELLI WAY

TE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS			
Α	N/A	14	16			
PROJECT FILE NO. PED 18 - NEW STREET						

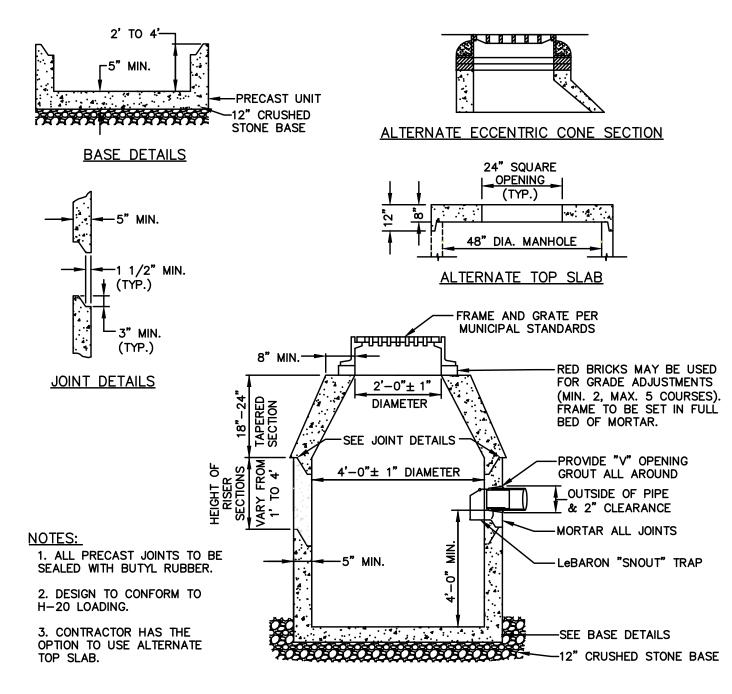
**CONSTRUCTION DETAILS** 



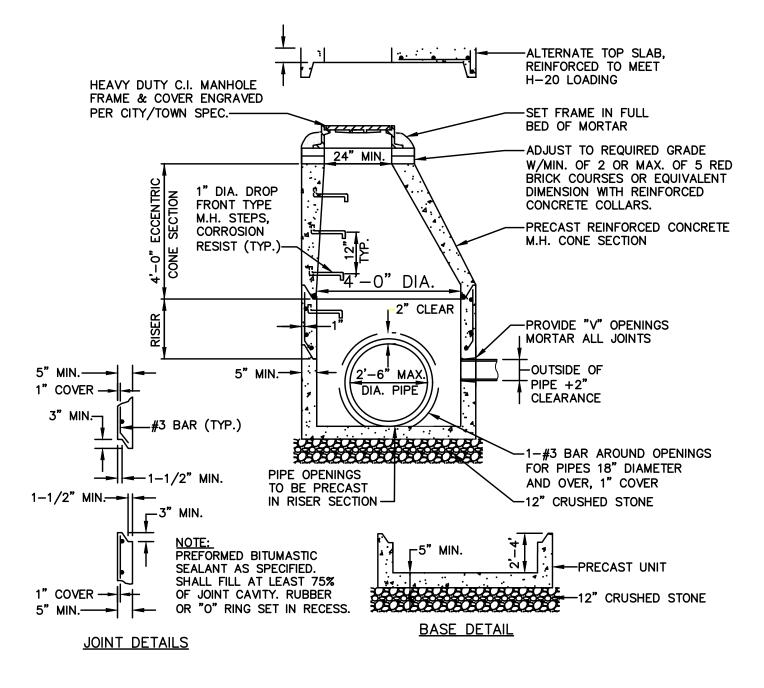
TRENCH WIDTH, Ws OR Wu					
D DIAMETER OF PIPE	Wu UNSHEETED	Ws SHEETED			
12" AND SMALLER	3'-0"	4'-2"			
15"	3'-2"	4'-4"			
18"	3'-6"	4'-8"			
21"	3'-10"	5'-0"			
24"	4'-2"	5'-4"			
27"	4'-6"	5'-8"			
30"	4'-10"	6'-0"			
36"	5'-6"	6'-8"			
42"	6'-2"	7'-4"			
48"	6'-10"	8'-0"			

TRENCH WIDTH DATA

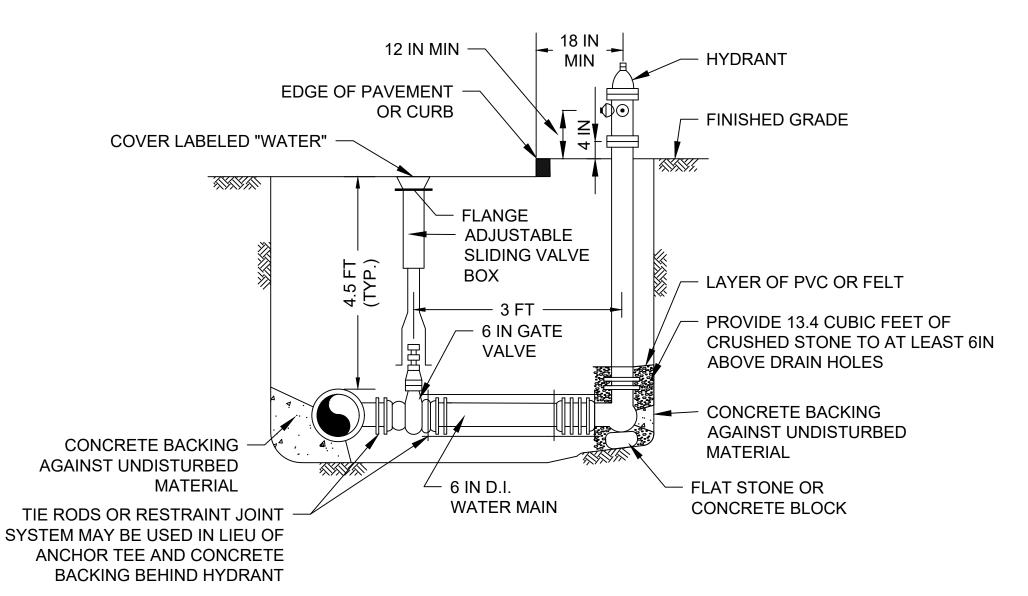
TYPICAL PIPE TRENCH SECTION



PRECAST CONCRETE CATCH BASIN SCALE: NONE



PRECAST CONCRETE DMH SCALE: NONE



HYDRANT AND VALVE

NOT TO SCALE

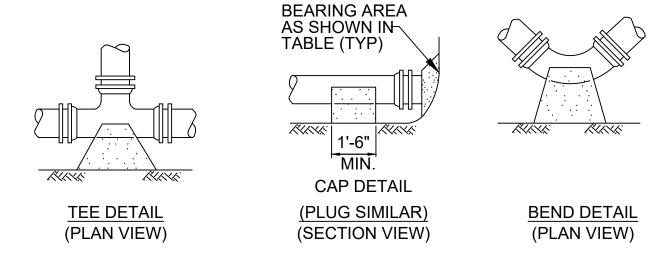
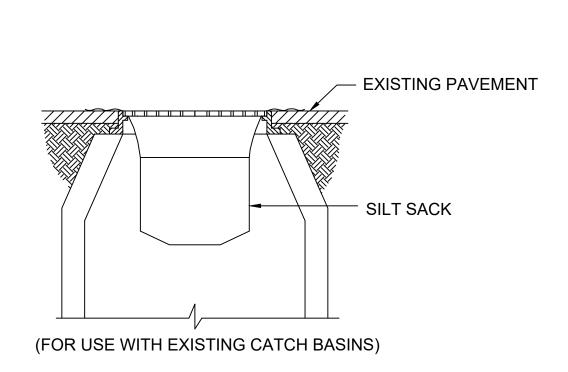


TABLE OF CONCRETE THRUST RESTRAINT MINIMUM BEARING AREAS IN SQUARE FEET AGAINST UNDISTURBED MATERIAL FOR WATER MAIN FITTINGS						
SIZE OF MAIN	90° BENDS, TEES, CAPS	45° BENDS AND WYES	22-1/2° BENDS	11-1/4° BENDS		
	AND PLUGS					
6", 8"	5	4	2	2		
10", 12"	12	9	5	2		

 CONCRETE THRUST RESTRAINT SHALL ONLY BE USED WHERE OTHER MEANS OF RESTRAINT ARE NOT FEASIBLE.
 CONTRACTOR SHALL USE CARE TO AVOID PLACEMENT OF CONCRETE ON THE FITTING JOINTS

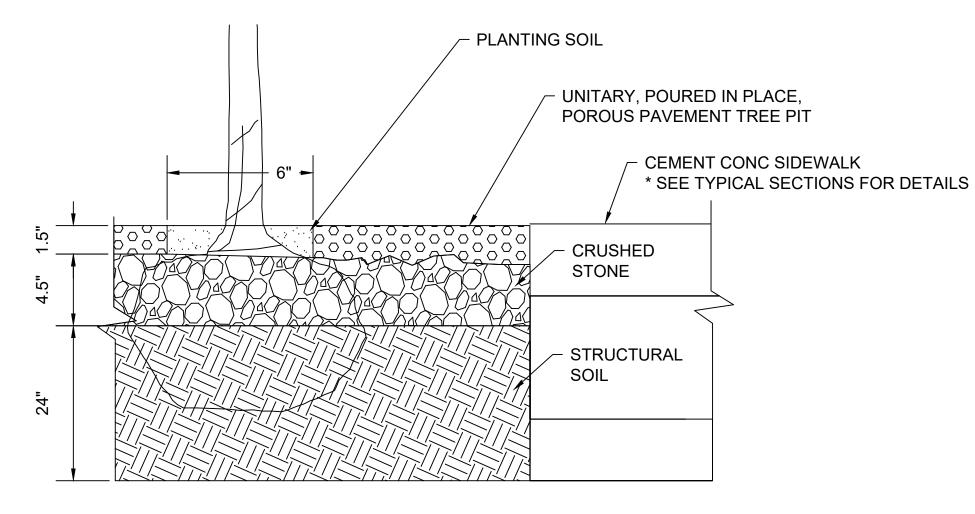
CONCRETE THRUST BLOCK RESTRAINT FOR FITTINGS

NOT TO SCALE



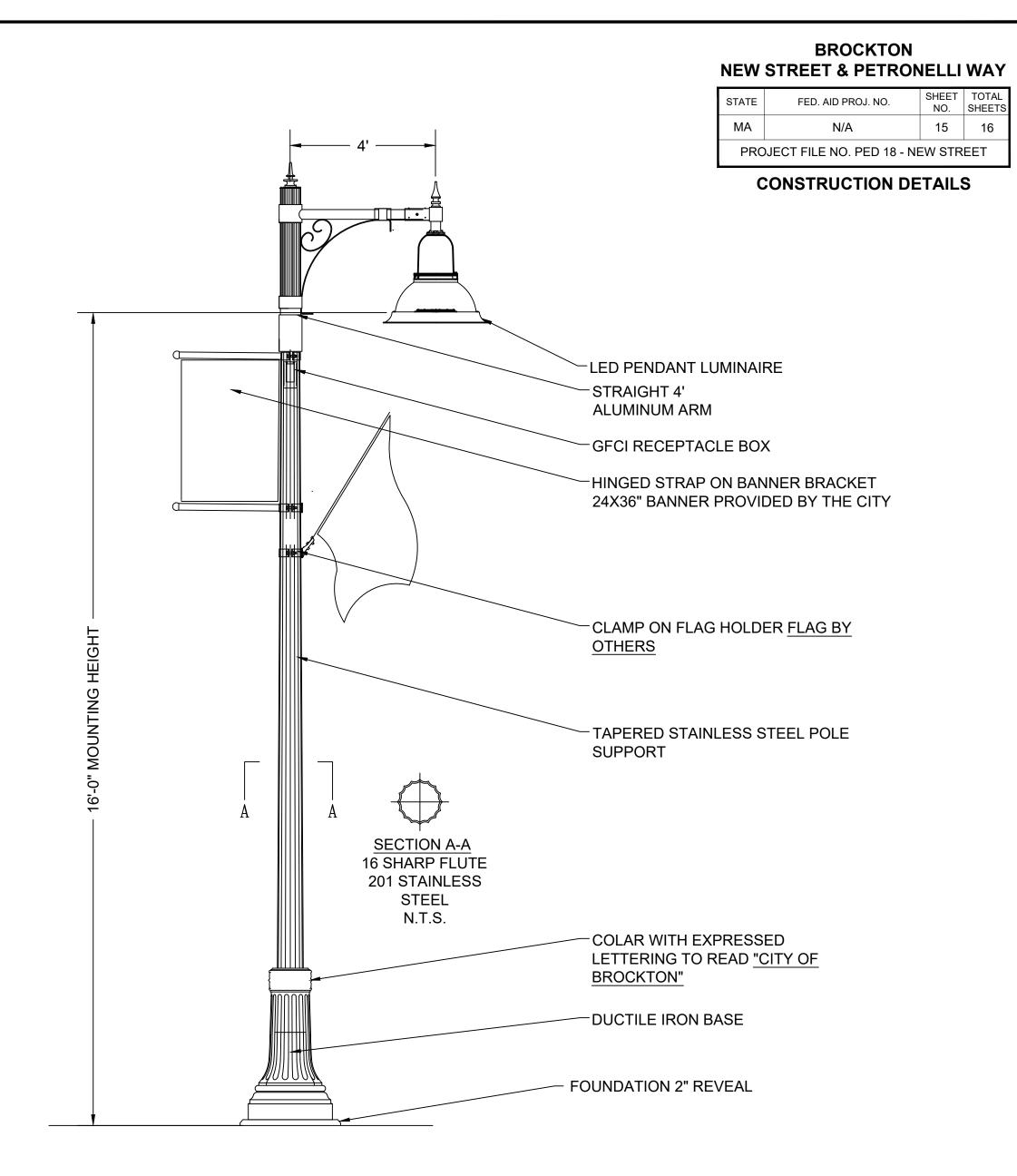
NOTE: SILT SACKS TO BE PLACED IN ALL CATCH BASINS IN THE VICINITY OF NEW CONSTRUCTION. CATCH BASINS ARE TO BE PROTECTED AS SHOWN, WITH MINIMUM WEEKLY MAINTENANCE, OR AS REQUIRED AND REPLACED IF NECESSARY.





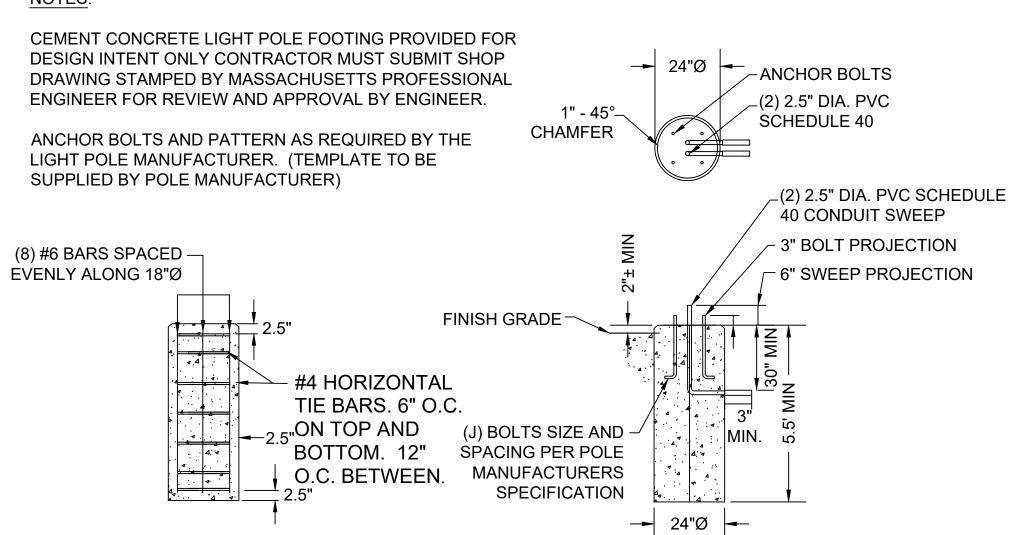
POROUS PAVEMENT TREE PIT

NOT TO SCALE



# 16' LIGHTPOLE AND LUMINAIRE NOT TO SCALE

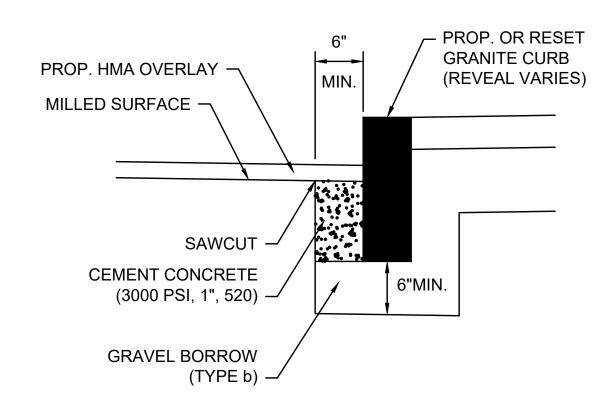
# NOTES:



CEMENT CONCRETE LIGHT POLE FOOTING

NOT TO SCALE

- 1. SAWCUT 6" FROM CURB LINE AND REMOVE EXISTING PAVEMENT AND GRAVEL. REPLACE WITH CEMENT CONCRETE.
- 2. ANY DESIGNATED CEMENT CONCRETE THAT IS ACCEPTABLE UNDER SECTION M4 OF THE STANDARD SPECIFICATIONS MAY BE USED. HOT MIX ASPHALT SHALL NOT BE USED AS A SUBSTITUTE.



# GRANITE CURB INSTALLATION IN PAVEMENT MILLING AND OVERLAY AREAS

NOT TO SCALE

- 1. PROVIDE EXPANSION JOINTS AT MIN 30' O.C. WITH PRE - MOLDED JOINT FILLER.
- 2. PROVIDE TOOLED CONSTRUCTION JOINTS PER 3. PROVIDE BROOM FINISH IN DIRECTION
- PERPENDICULAR TO CURB.
- 4. \* 0.5% CONSTRUCTION TOLERANCE PROPOSED 8' WIDE SIDEWALK PROP. GRAN. CURB TYPE VA-4 - 6" REVEAL CEMENT CONCRETE 0.5% - 1.5% - GRAVEL BORROW M1.03.0 (TYPE b) (IF REQUIRED)

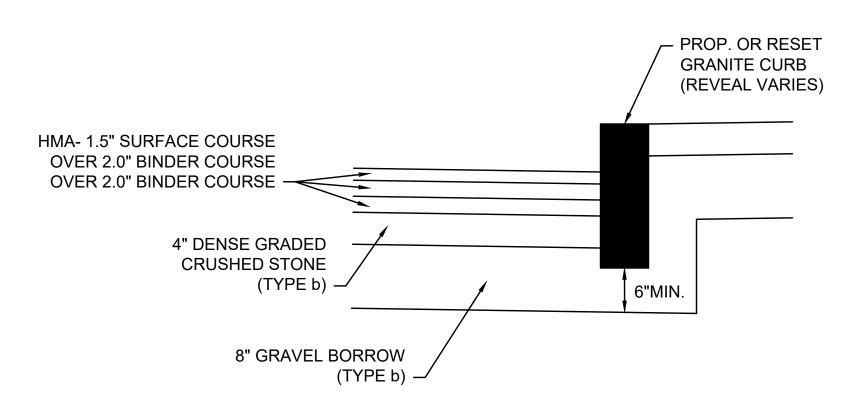
EXIST. BUILDING FACE OR FIXED OBJECT

CEMENT CONCRETE -

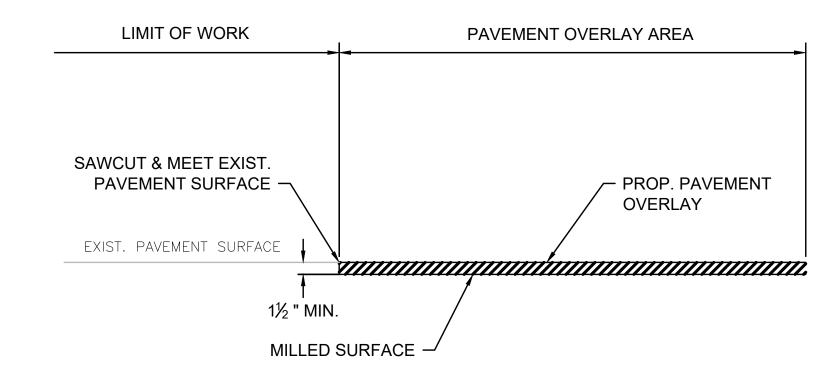
EXPANSION JOINT SEALANT (AS REQUIRED) -

1/2" PERFORMED EXPANSION JOINT FILLER -

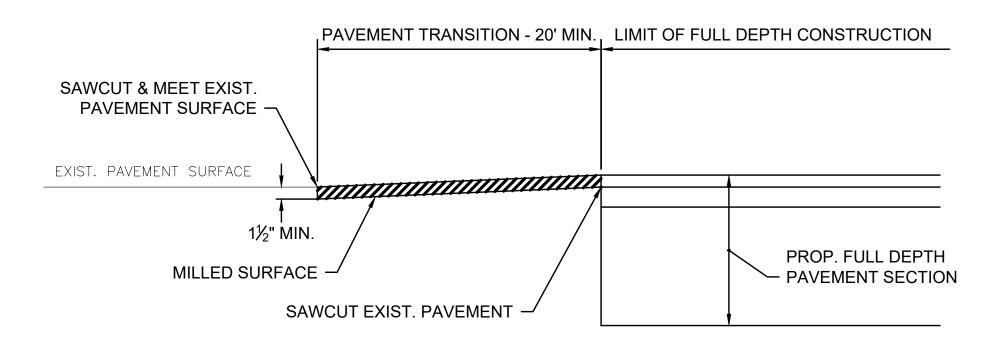
CEMENT CONCRETE SIDEWALK WITH **GRANITE CURB** NOT TO SCALE



# GRANITE CURB INSTALLATION IN FULL DEPTH RECONSTRUCTION PAVEMENT AREAS NOT TO SCALE



# PAVEMENT OVERLAY TRANSITION AT LIMITS OF WORK NOT TO SCALE



FULL DEPTH PAVEMENT TRANSITION AT LIMITS OF WORK NOT TO SCALE